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THE CHEMIST AND DRUGGIST

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A NEW EDITION

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DRUGGISTS' SUNDRIES PRICE LIST,

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A Nourishing Meat & Malt Wine.

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Exchange Column. *Coloured Supplement.* Index to Advertisements, pp. 21, 23 (bottom folios).

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BATTERSEA, S.W.

NEAREST STATION,
OLD BATTERSEA STATION,
West London Extension Railway.

THE CHEMIST & DRUGGIST SUPPLEMENT.

SATURDAY, AUGUST 21, 1897.

Businesses for Disposal
Businesses Wanted
Premises to Let
Auction Sales

ALSO EXCHANGE COLUMN.

For Bargains see last page of this Supplement.

Partnerships
Situations Vacant
Situations Wanted
Miscellaneous

Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

The Man who pays 1/- or 3/6

for an advertisement in this Supplement has to pay cash; so he becomes an exceptionally critical person in respect to the value of the advertisement

That is a fair statement. Now, what do we find? Advertisers tell us their results—ten, twenty, thirty or more replies, summed up in the five words—"Suited; don't repeat the ad." And alongside that there is the fact that this Supplement has grown from a modest thing with a dozen advertisements in it to the present proportions.

The growth has been as gradual as phenomenal, which is the best proof that it is based on a sound foundation—extensive circulation and quick returns. When you want to advertise, please remember

"The Chemist and Druggist" Supplement.

CHEMISTS' TRANSFERS.

MESSRS. ORRIDGE & CO., 32 LUDGATE HILL, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

VENDORS have the advantage of Messrs. O. & Co.'s direct attention and advice as to value without additional fee.

PURCHASERS are invited to forward a statement of their requirements, which will be notified in a register free of charge.

VALUATIONS having always been a prominent feature, Messrs. O. & Co. trust that the lengthened period during which they have enjoyed the confidence of the profession will be regarded as a sufficient proof of the sincerity of their endeavours to conduct these transactions in an honourable straightforward manner.

1.—£1,000.—**LONDON (High-class Suburb).**—Dispensing and Retail Business; returns last year exceeded £3,000, increasing; the business is well situated in main road, corner position; commodious shop and premises held on long lease; terms, goodwill £500 and valuation.

2.—£1,000.—**LONDON (Central).**—Retail, Dispensing, and Prescribing Business, situated in busy main thoroughfare; returns present rate £1,000, increasing; well-fitted shop and good working stock; intending purchasers with about £700 at command can have full particulars.

3.—£950.—**LONDON, W. (Suburban).**—Good-class Dispensing Business; returns £950, *with excellent profits*; the shop is well fitted and stocked; convenient house, 21 years' lease; price £850.

4.—£600.—**LONDON (Suburban).**—Branch Business; returns present rate £600, can be largely increased by personal attention; good-sized shop, well fitted and stocked; comfortable residence; price £500.

5.—£600.—**WESTERN COUNTY (Watering Place).**—Retail and Prescribing Business; excellent position, without immediate opposition; returns £600 per annum, increasing; *good profits*; double-fronted shop, well stocked; commodious house held on lease; price £400.

6.—£800.—**SOUTH COAST (Watering Place).**—Retail and Dispensing Business, situate in good-class locality; returns last year nearly £800; convenient modern house, and nicely-fitted Pharmacy; price £500.

7.—£1,000.—**CATHEDRAL TOWN (South).**—Dispensing and Family Trade; returns £1,000, *profits fully up to the average*; handsomely-fitted shop and large stock; convenient residence, private entrance; price £900.

8.—£800.—**BANKS OF THE UPPER THAMES (Charming locality).**—Good-class Business, well situated in the centre of town; returns present rate over £800, *with excellent profits*; the shop is nicely fitted and well stocked; commodious residence, with garden and greenhouse, stables, &c.; rent £60 yearly; lease 19 years unexpired; price £825.

9. £1,500.—**SOUTH OF ENGLAND.**—Old established Business; returns exceed £1,500, increasing; *net profit* £500; commodious shop and premises; 21 years' lease; price £1,500; recommended.

10.—£850.—**BEDFORDSHIRE.**—Old-established Business, well situated in the centre of town; position unique; returns £850; *net profits about* £300; nicely-fitted shop; modern house, with large garden; price £700; investigation invited.

11.—£650.—**SURREY.**—In a pleasant town within easy distance of London; Retail Business, offering good facilities for extension by a business man; present returns between £650 and £700; nicely-fitted and convenient shop, with good stock; price about £500.

12.—£600.—**MIDLANDS.**—Well-established Business, Retail, Dispensing, and Agricultural; held by the vendor over 20 years; returns average £600; well-fitted shop, with excellent working stock; convenient, roomy house and premises, water, plant, &c.; valuation, if required, with small premium; worth attention.

13.—£600.—**READING.**—Retail, Dispensing, and Prescribing Business; returns £600; the shop is well fitted and stocked; commodious house, held on lease; price about £600.

14.—£900.—**SOMERSET.**—Unopposed Business; very old-established concern; returns £900 under manager; large house and attractive garden; price £600.

Particulars of any of the above will be furnished on application.

N.B.—NO CHARGE TO PURCHASERS.

TERMS FOR VALUATION ON APPLICATION. APPOINTMENTS BY POST OR WIRE HAVE IMMEDIATE ATTENTION.

Messrs. ORRIDGE & Co. invite communications from COLONIAL and FOREIGN firms where business of a confidential nature requires the especial attention of a London Agent.

SPECIAL NOTICE.—**Messrs. ORRIDGE & CO. have a large number of Businesses for Sale suitable for Gentlemen with Small Capital, from £200 to £500.**

ORRIDGE & CO., 32 LUDGATE HILL, LONDON, E.C.

F. J. BRETT

VALUER,

37 Waterloo Street, LEICESTER.

References to Principal London and Provincial Wholesale Houses, also to numerous clients throughout the United Kingdom.

BUSINESSES THOROUGHLY INVESTIGATED FOR BUYERS

NO CHARGE TO BUYERS.

£1,600 returns.—**SOUTH WALES.**—General Retail with good agricultural connection, in large and growing town; vendor, who is retiring from the trade, will give ample introduction: to an energetic man there is ample scope for increase; valuation about £900.

£700 returns.—**DERBYSHIRE.**—Retail, Prescribing, &c. in very central position; returns can be largely increased by suitable man; valuation about £450.

£800 returns.—**LONDON, N.E.**—Unopposed suburban Retail, with exceptionally large sales of own preparations; net profit over £250; price about £800.

£900 returns.—**BEDS.**—Thoroughly sound, good-class country Retail; well removed from Stores and "cutters"; exceptionally good house; two large gardens (can be let for £12 year); short hours and no Sunday duty; net profit nearly £300; lease; price about £750.

£600 returns.—**BERKS.**—Light Retail, in rapidly-growing town; good house, garden, &c.; also appointment yielding a net income of £100 per annum; price about £650.

£1,500 returns.—**STAFFS.**—General Retail and Local Wholesale, in the Potteries; vendor will give thorough introduction; stock and fixtures about £800.

£1,300 returns.—**LINCOLNSHIRE.**—Light Retail, Prescribing, and Dispensing, in principal street of large town; shop is large, and well fitted; price £850.

£1,000 returns.—**S. WALES.**—Very good Light Retail, practically unopposed; prices good; giving a net profit of £400 per annum; good house; on lease; price £850.

£1 100 returns.—**MIDLANDS.**—Light Retail, Prescribing, Dispensing, and own Specialities; in growing market town; price £850.

£500 returns.—**LANCASHIRE.**—General Mixed Retail and Prescribing; rent low; price £150.

£800 returns.—**NOTTINGHAM.**—General Mixed Retail, in good position for doing paints, oils, and colours; now worked as a branch; has done double with personal attention, and can again with the right man; valuation about £500.

£700 returns.—**MIDLANDS.**—Very nice Retail, in good market town; large house; good garden; lawn and glasshouse; short hours; price £550.

BERDOE & CO.

CHEMISTS' TRANSFER AGENTS AND VALUERS,

35 JEWRY STREET, FENCHURCH STREET, E.C.

Established 1870.

1.—**SOUTHPORT.**—Good-class Retail and Dispensing Business; returns £670; can be increased; elegantly-fitted pharmacy; well stocked; valuation of stock and fixtures only required; no goodwill.

2.—**DUNDEE.**—Branch for Disposal; returns £600 yearly; under management; rent £35; stock and fixtures worth £300; excellent position; price £200 to effect speedy sale.

3.—**TUNBRIDGE WELLS** (near).—Good-class Light Retail, Dispensing, and Prescribing Business; returns £500; net profit £200; low rent; good house; shop well fitted and stocked; price £400.

4.—**HOME COUNTY.**—Mixed Business; returns £1,500; net profit £450; low rent; good house; price £900; or valuation terms can be arranged.

5.—**SOUTH WALES.**—Population 30,000; only 6 Chemists; Retail, Dispensing, and Prescribing trade; returns £600; net profit £240; double-fronted corner; good house; price £500.

6.—**HOME COUNTY.**—Family, Retail, Dispensing, and Prescribing Business, in market town; returns £850, net profit £300; good house, large garden; stock and fixtures worth £600; price £700.

7.—**NORFOLK (Market Town, Agricultural Centre).**—Good-class Business; returns £1,200; scope for increase, being under management; price £850; valuation terms arranged.

8.—**DEVON.**—Light Retail and Prescribing Business, returning £630 under management; low rent; good house and garden; net profit £160; price £250. Also one **DEVON COAST**, price £450.

9.—**LONDON, W.**—First-class Retail and Dispensing Business; returns £1,250; net profit £400; low rent; good house; same hands many years; shop is well fitted and stocked; price £900.

10.—**LONDON, N.**—Suburb, main road, Retail and Prescribing Business; excellent corner position; returns £6 to £7 weekly, can be doubled at once; stock and fixtures worth £200; price £225.

Particulars of either of the above free on application.

We have at the present time a number of really good Businesses on our books. Purchasers are invited to send their requirements, and particulars will be forwarded. VALUATIONS personally conducted.

NO CHARGE TO PURCHASERS.

35 JEWRY ST., FENCHURCH ST., CITY.

JUDD & MANNERS

CHEMISTS' VALUERS,

Transfer Agents, Partnership Negotiators, Arbitrators and Accountants,

76 CANNON STREET, LONDON, E.C.

WEST OF ENGLAND.—Country Retail and Dispensing [illegible] £1,150; price £850.

SOUTH COAST.—Dispensing Business; returns £650; price £[illegible]50.

BEDFORDSHIRE.—Family trade; returns £815; price £75[illegible]

VALUATIONS made for Probate or Transfer by a fully qualified member of the Firm. Books Audited, Balance Sheets Prepared and Chartered Accountants' Certificate given.

FERGUSON & OSBORNE

VALUERS and TRANSFER AGENTS.

25 YEARS' PRACTICAL EXPERIENCE.

VALUATIONS A SPECIALITY.—Our Mr. FERGUSON, [illegible] Ch. (Exam.), having had a thorough practical training and long experience in the Wholesale and Retail, and as a Professional Valuer, gives his personal attention to this department. Terms on application.

LONDON SUBURB.—Retail and Dispensing; extra well fitted; commanding position; very desirable residence, private entrance and garden; returns about £650; books to prove figures; price £420. **LONDON SUBURB.**—Retail and Dispensing; good house; profits £420; price £[illegible] **SEASIDE.**—Returns about £650; price £450. **PARTNERSHIP** £500 capital, and services, required to extend Local Wholesale. **SCOTLAND.**—Smart Retail; returns £400; price £150. **SEASIDE.**—Returns over £700; price £500 **BIRMINGHAM SUBURB.**—Returns over £600; price £400.

56 CHEAPSIDE, LONDON, E.C.

(Next Door to Bow Church.)

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Chemists' Transfer Agents and Valuers

9 NEW CANNON STREET, MANCHESTER.

44 YEARS' EXPERIENCE.

Valuations Conducted with careful attention to detail.

BUSINESS WANTED.—Thomas Tomlinson & Son, having in their books an extensive list of gentlemen who have entrusted them with commissions to look up a good genuine Business, intending sellers can rely upon being at once with all despatch put into communication with bona fide buyers without publicity and the annoyance of answering "doubtful" applications. **No charge made unless Sale is effected**

BUSINESSES FOR DISPOSAL of various classes and amounts of returns ranging from £200 to £4,000. Particulars given to bona-fide applicants stating outline of requirements.

Have constant inquiries for REGISTERED ASSISTANTS.

Applicants introduced free.

NO CHARGE TO PURCHASERS

Telegraphic Address—"TOMTOM."

BUSINESSES WANTED.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

ADVERTISER wants immediately a genuine good-class business showing net profit of £300 to £400; in small town preferred; prompt cash and references given if desired. "Veritas," c/o Hodgsons, Clarke & Ward, 101 Whitecross Street, London.

WANTED, a medium Light Retail and Dispensing Business within a radius of about 40 miles of London, preferably North; price about £250. Particulars to H. E. Allenby, Verulam Street, St. Albans, Herts.

WANTED, immediately, Light Retail and Dispensing, returns from £1,000 to £1,500, or a good Agricultural Business; a small one would be entertained if scope for increase; references if required. W. B., 41 Manchester Road, South Tottenham, N.

SINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less ; 6d. for every 10 words beyond.

ERLEY.—For immediate Disposal on account of bad health, a nuine Family and Dispensing Business; established 25 years in a sition in large market town of Beverley, Yorkshire; warehouse d good house. Apply, T. Vickers, Butcher Row, Beverley, Yorks.

MINGHAM—A progressive Drug and Drysaltery Business to be old, in a populous thoroughfare in Birmingham; satisfactory given for giving up; goodwill £50; fixtures about £70; stock 250; arrangements can be made as to payments. 202/8, Office of EMIST AND DRUGGIST, 42 Cannon Street, E.C.

MINGHAM SUBURB.—Well-established General, Retail, and escribing, with Photographics and Spectacles; corner shop; rent turns over £600; offers wanted. "Stet," 60 Endicott Road, near Birmingham.

STOL.—For Disposal, an old and well established high-class ispensing and Family Business at Clifton; highly respectable con- which might be greatly extended by a smart man of business in hand at once; stock, trade, and other fixtures and fittings and in trade at a valuation; the proprietor is owner of a valuable which could be made the subject of a separate arrangement; rent pply to Mr. John Coombs, the Mart, Bridgwater.

MPSHIRE.—Old-established Business, Retail and Prescribing; esent bands 33 years; returns between £200 and £300 yearly; can ly increased by pushing man; splendid opening for Dentist; usiness premises and residence; price £120; rent £24; owner no agents. Apply, F. W. May, 42 Commercial Road, Portsmouth.

MPSHIRE.—Good Prescribing, Light Retail, and Extraction Busi- ss in Coast town; populous and rising neighbourhood; returns 50, and increasing annually; death cause of sale; few patents; itable; price £350 cash, or exchange for similar Business in inland; estigation allowed. "Camphor," c/o Hockin Wilson, Tottenham ad, London.

TINGS (best part of).—Good-class Light Retail and Dispens- g Business; returns £800; quite unopposed; surrounded by first- dences; low rent; most convenient house; owner must reside in will accept valuation of stock and fixtures, about £350; chance m offering. 229/34, Office of THE CHEMIST AND DRUGGIST, 42 Street, E.C.

ASHIRE.—Neglected Business to be Sold for less than value of ures (to a prompt Cash buyer), which are equal to new; splendid sition; has done over £20 a week; owner no time; wine license, y facility for doing an extensive trade; best offer taken. X. Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASHIRE (Seaside).—Small Business, in commanding situation principal street, for Disposal at valuation (about £600); cash s only dealt with, and applications must be accompanied with or other satisfactory reference; splendid opportunity for com- eking a branch, or anyone with knowledge of up-to-date trading. fice of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ON.—An old-established Dispensing and Retail Business in good- s busy suburb; small Patent account; present takings £700 per with very good profits; vendor wishes to leave London for the s soon as possible, and is open to a fair offer; an introduction iven; good scope for increase. Apply, first by letter, to cy," c/o Messrs. Wright, Layman & Umney, Southwark Street.

ON, S.E.—Main thoroughfare; large well-fitted shop; good ing stock; ample scope for increase; good opening for Dentistry; strict investigation; disposal through ill-health. Address, (227/22), Office of THE CHEMIST AND DRUGGIST, 42 Cannon O.

ON SUBURBS, N.—Price £250 or near offer; main thorough- ; a profitable middle-class ready-money trade; nearly £400 a larly increasing; carried on by Assistant; large, modern, well- and house; rent £50 and £55. on agreement for lease; garden. Chemist," c/o Mr. Bird, Leatherseller, 610 Seven Sisters Road, N. Also a small Business in main road, E., for value of stock and ame rent; no agents.

ON, W.—Busy thoroughfare; lock-up shop; Prescribing, Retail, ensing; no patents; profits much above the average, could be creased; Extractor wanted badly; illness cause of disposal; hance for a beginner; good stock of spectacles; price £230 dress, "Special" (230/24), Office of THE CHEMIST AND DRUGGIST, Street, E.C.

CHESTER.—A small Branch Business in Rochdale Road; ckly populated; business can be largely increased; good opening s, &c., &c.; small rental, with lease; a bargain for a cash buyer. G. Breadner, Chemist, Cheetham, Manchester.

TH OF ENGLAND.—Light Retail and Prescribing Business; urns £500, at good prices; rent £45; to effect a quick sale a of the stock and fixtures will be accepted; the premises are e in a busy town near the Lake district. "Galen," c/o Messrs. Son, 1 King Edward Street, E.C.

WICH.—A genuine Light Retail and Prescribing Business; e corner shop, well stocked, in densely-populated district; rent ase; established 12 years; proprietor taking larger business; £500. 128 Dereham Road, Norwich.

TH-WEST OF ENGLAND.—Market town; population ; Light Retail, Dispensing, and Prescribing Business; returns profit £210; sole reason for selling, old age; younger man ease to £1,000; double-fronted shop; excellent house; large ocked with fruit trees. 229/35, Office of THE CHEMIST AND 42 Cannon Street, E.C.

SURREY.—Grand opportunity for business man; Surrey; going through ill-health; successfully carried on for 60 years by late firm; best stand; low rent; large garden; beautiful scenery; health resort; good profits; well fitted and stocked; lease; price £425. Full particulars apply "Biceps" (226/6), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

YORKSHIRE.—Cash Retail and Prescribing Business for Disposal in centre of large market town; returns £550; price £275; a rare chance; large modern shop (lock-up); established 17 years; good reasons for selling. Address, Z. Y. Z. (229/5), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

AN old-established Dispensing, Light Retail, and Prescribing Business, in a rapidly increasing town in the Midlands; main thoroughfare; well fitted double-fronted shop, large house, with side entrance; good scope for increase if conducted on the Store system; several proprietaries. Address, "Rhei" (228/30), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CHEMIST'S Business for Disposal.—The Lease of the Business Premises, No. 121 Western Road, Brighton, 17 years, at £54 rental (worth £120), and Trade Fittings, for Sale by Auction by Messrs. Parsons & Son, on Thursday, August 26; the business is now being carried on by the Executors of the late Mr. R. Williams; stock optional; no charge for goodwill. Full particulars of the Auctioneers, 163 North Street, Brighton.

DRUG Stores.—Capital shop, separate consulting-room, and good living-accommodation in busy main thoroughfare, one mile south of London Bridge; old-established business; present average receipts £5 weekly, but in energetic hands might be doubled; part purchase-money may remain. Principals or their Solicitors only apply to John Curtis, Solicitor, 8 Wormwood Street, London, E.C.

FOR £200 or proximate offer in cash; in large seaport, close to docks; good profits; small rent; might be doubled by young, pushing man; now under elderly manager; full particulars by post. "Bonâ-fides" (230/22), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

FOR Disposal, Bournemouth, 2½ miles out; very healthy, close to the Pines; small nucleus of Business; in improving neighbourhood; wants time; rent £25. Also wanted to purchase small Light Cash Business, West of England preferred, with a return of £200 to £250; cash down £100. Address, "Chemist" (226/28), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

HOMŒOPATHIC Pharmacy.—High-class Homœopathic Pharmacy for sale, with very profitable specialities; no cutting; Druggists' Sundries full prices, 1s. 1½d. patents from 1s. to full price; satisfactory reasons for disposal; best position in large city. Address, "Pilule" (229/13), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

OLD-ESTABLISHED Business as Chemist and Dentist for Sale; returns last year over £1,280; owner about to retire. For particulars apply to "Genuine," c/o Messrs. Baiss Brothers & Co., Jewry Street, Aldgate.

RETAIL and Prescribing for Disposal; main road; large house, in excellent repair; rent £36; £2 weekly net profit; excellent opening for Dentistry; good scope for increase; nicely fitted and good stock; £175 to immediate cash purchaser. 229/8, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

SOUND little Business; over 10,000 population; no opposition; main thoroughfare; patents nil; profitable trade, could be doubled by qualified man; price £200, owing to owner wishing to go abroad. Address, Jackson, High Town, Luton.

TO Chemists.—Very profitable London Business (with lease) for Sale as a going concern; only £2,500 cash, owing to serious illness of proprietor; returns during past 18 months exceed £4,000, all ready money; occupies commanding position; established 77 years; average yearly net profit £750; heavy stock; low rent; must sell; unique offer to immediate buyer or investor. Messrs. Mote & Son, Solicitors, 11 Gray's Inn Square, London, will supply fullest particulars on receipt of bonâ-fide reference.

£50.—Grand opportunity to obtain a good little Business in London; suit beginner, or open Surgery; good Prescribing and rising neighbourhood; rent £33, let off £16 (2 rooms); good house; small Retail and Prescribing; very profitable; stamped address for reply to genuine buyers. "Retail" (230/14), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

£90 Cash will purchase small Retail and Dispensing Business, with good profits; qualified man would do well; good house, side entrance; rent £20 per year; rates about 10s.; shop newly-fitted and well stocked; 1½ mile from fashionable town; good reasons for disposal. Apply, "Bona" (197/22), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

£100 **CASH** for Chemist's Business; must sell, a sacrifice; doing £10 per week under management. Apply, 230/7, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

£50 will purchase neglected Business, 20 miles from London; growing locality; 10 minutes from nearest Chemist; rent £26; nice house; takings £4 weekly under female; owner engaged in City; qualified man would do £8 weekly; price £120; £50 cash, balance instalments. 229/33, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

PARTNERSHIPS.

3s. 6d. for 50 words or less ; 6d. for every 10 words beyond.

OLD-ESTABLISHED, unopposed, suburban Chemist wants young Partner, with view to partial leisure for other matters; profitable Prescribing and good all-round trade; capital required £300. V. R., Messrs. Wright, Layman & Umney, Southwark Street.

TENDERS.

TO WHOLESALE DRUGGISTS AND OTHERS.
BY ORDER OF THE RECEIVER.

MESSRS. TOPLIS & HARDING are instructed to offer for Sale by Tender the whole of the Stock in-Trade of Messrs. Langton, Edden & Co., Wholesale Druggists, 38 Wilson Street, Finsbury, E.C., comprising Turmeric, Cascara, Senna, Aloes, Liquorice, Scammony, Cinnamon Oil, Essences, Oils, Tinctures, and a large assortment of Drugs and Pharmaceutical Preparations.

May be viewed, and catalogues had on the premises and of the Auctioneers, 66 Cannon Street, E.C.

Tenders to be opened on the 1st September.

SITUATIONS OPEN.

3*s.* 6*d. for* 50 *words or less* ; 6*d. for every* 10 *words beyond.*

RETAIL.

ALDERSHOT.—Wanted, a smart Junior for a good-class Cash business; capable of taking occasional charge, and accustomed to Dispensing and putting up stock. Apply, giving full particulars, age, height, salary required, references, and enclose carte (which will be returned), to Allen & Lloyd's Cash Chemists' Stores, Aldershot.

BARKING.—Junior Assistant (indoors); must be active and obliging, with a fair knowledge of his business, and good references; time for study allowed if required. Apply, with full particulars, to Chas. H. Ridley, Chemist, Broadway, Barking.

BIRMINGHAM.—Assistant wanted; character indispensable; the principal, living away, wants one that he could leave with confidence; if disposed would be willing to sell on easy terms. Apply, Parish, Oldbury, Birmingham.

BIRMINGHAM.—Outdoors.—A smart Junior Assistant Photo, references, and all particulars, to Hedges & Son, Dale End, Birmingham.

BIRMINGHAM.—Wanted, reliable quick Assistant in good Mixed General Retail; salary (indoors) £30 to £40; 3 kept; opportunity allowed to attend classes; allowed one morning till 1 P.M. and one evening after 6 P.M. each week; sessions just commencing; Sunday 2½ hours when required. References and every particular, age, experience, &c., to Gibson, Gooch Street, Birmingham.

BLANDFORD.—Junior; smart, obliging, and quick; of good appearance and address; first-class references and good experience necessary; four kept; easy hours; full particulars, with photo. Also vacancy for Apprentice. R. H. Groves, Pharmaceutical Chemist, Blandford.

BOSCOMBE.—Qualified Assistant wanted for Dispensing; must be quick and obliging, and thoroughly trustworthy; character must bear strictest investigation. Apply, with photo, Hirst, Chemist, Boscombe, Bournemouth.

BOSTON.—Wanted, Locum or Assistant, from August 30 to September 4. Apply, with full particulars, to Thomas & Sons, Chemists, Boston.

BRIDLINGTON QUAY.—Immediately, a good useful Junior, with all-round experience; hours easy after September; state salary, references, and full particulars to save time, enclosing photo (to be returned). J. V. Mainprize, Central Pharmacy, Bridlington Quay.

BRIGHTON.—Wanted, a qualified Senior Assistant. Apply, with full particulars (enclosing photo), to Glaisyer & Kemp, Brighton.

BRIGHTON.—An Assistant, for Light Retail and Dispensing business, aged about 24; must be neat and accurate Dispenser. Apply, with full particulars and carte, to John Miller, 4 Victoria Road, Brighton.

CAPE COLONY.—Wanted, in a first-class English house, a smart, qualified Assistant. Apply, with full particulars, to "British" (193/51), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

CAPE TOWN.—Assistant required immediately, of good experience, holding Minor qualification, neat, and accurate Dispenser; must write a good legible hand; aged about 25; salary first year, £130; second year, £140; third year, £150; sleeping accommodation provided; second-class passage paid out conditional on a 3 years' agreement being signed; candidates must hold undeniable references. Address, "Cape," c/o Messrs. Evans, Lescher & Webb, 60 Bartholomew Close, London, E.C.

CARDIFF.—Hicks & Co. (Limited), Cardiff, require the services of a qualified Assistant to undertake the management of a new Branch; preference given to a gentleman experienced in Store trade. Apply, stating salary (with or without house), age, height, references, and enclose carte.

CARDIFF.—Hicks & Co. (Limited) require a smart Junior Assistant. Apply, stating salary required (outdoors), age, height, references, and enclose carte.

COALVILLE.—Wanted, energetic, gentlemanly young man to manage country Branch; Mixed business; one who can Extract preferred. Apply, with full particulars, John Porter & Son, Chemists, Coalville.

CROYDON.—Wanted, temporary Assistant, must be accustomed to Store trade, from September 3 to September 11, inclusive. Apply, T. Bromwich, 77 High Street, Croydon.

DEVIZES.—Assistant wanted (indoors), about 21; must be a good Dispenser, and accustomed to good-class Country business. State full particulars, and enclose photo (to be returned), Hill, Chemist, Devizes.

DOVER.—Wanted, at once, a Junior Assistant (outdoors) in light Retail business; must be active and industrious, capable of taking charge. Apply, stating age, height, references, salary required, and photo (to be returned), to Stevens, Chemist, Dover.

EAST GRINSTEAD.—Wanted, a smart Junior (indoors), in good Dispensing and Mixed Country business; 5 kept; easy hours. State age, height, salary required, experience, when disengaged, Dixon, Chemist, East Grinstead.

EAST MOLESEY.—A good all-round Assistant for high-class Retail and Dispensing business; qualification not so much an object as experience; indoors; enclose photo (to be returned). Longtoft, Chemist and Dentist, East Molesey, Surrey.

GLOUCESTER.—Wanted, Junior; indoors; Light Retail and Dispensing; half-holiday weekly; must be good Counterman and capable of taking charge occasionally. Apply, stating age, height, experience, and salary required, and enclosing photo (to be returned), Wells, 31 Lower Barton Street, Gloucester.

HEREFORD.—Good Junior wanted, middle of September, Light Retail and Dispensing; about 21; outdoors; good references indispensable; one only kept. Apply, with full particulars and photo (to be returned), Haines, Chemist, Hereford.

LANCASHIRE.—Junior Assistant wanted for Mixed trade in manufacturing town; single, qualified, and Catholic preferred. A well-fitted Branch Business for Sale; best corner position in district; 00 or best offer accepted to prompt buyer. 223/81, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LEICESTER.—Wanted, Assistant, aged about 22; outdoors; qualified preferred; must have good references. State age, height, salary required, and enclose photo to F. W. Wilby, Chemist, 83 Upper Rudd... Street, Leicester.

LICHFIELD.—Smart Junior wanted immediately in good-class cash business; outdoors; hours 8.30 to 8.15, close 2 Wednesdays; no Sunday duty. Apply, with photo (to be returned), references, age, height, and salary required, to Marshall, Photographic Chemist, Bird Street, Lichfield.

LICHFIELD.—Smart Junior for a Mixed business; must be well recommended. State age, height, salary required, and full particulars, enclose photo, J. J. Perkins, Family Chemist, Lichfield.

LIVERPOOL.—Wanted, qualified Assistant (indoors), about 25, to take charge of Branch; must be good Extractor; weekly half-holiday. Send usual particulars to Bryan, Chemist, West Derby, Liverpool. Applications not answered in 3 days declined.

LIVERPOOL WORKHOUSE DISPENSARY.—Wanted, Assistant Dispenser; aged about 23; Minor qualification; salary £50; private apartments, rations, washing, &c.; hours 9 to 6 P.M., two days a week 9 to 8 P.M., Sunday duty every third; half-day off alternate weeks. Applications, with testimonials, to be sent forthwith to H. J. ...ager, Vestry Clerk, Parish Offices, Liverpool.

LIVERPOOL.—The Liverpool School of Pharmacy.—Wanted, an Assistant, chiefly for Laboratory work. Apply, giving references and qualifications, to R. C. Cowley, 6 Sandown Terrace, Upper Duke Street, Liverpool.

LLANDUDNO.—A qualified Assistant; one who has been accustomed to a good-class Counter Trade and Dispensing. Apply, stating usual particulars, enclose photo (to be returned), to J. Burton, Chemist, Llandudno.

LONDON.—Assistant, about 23 years of age, in good-class Dispensing and Retail, for about middle of September. Apply, Gigue... Co., 131 King's Road, Chelsea, S.W.

LONDON, N.W.—Wanted, qualified Assistant, about 24; indoors. Apply, by letter, with full particulars, to "Antipyrin," 10 ...mau Road, The Green, Southall, Middlesex.

LONDON.—Wanted, about 31st August, a single Gentleman, aged 24 years, and qualified, to take charge of a Retail and Dispensing for a Doctor; he will be expected to keep himself, but residence is found at the surgery; character must bear strictest investigation. State salary required, or a personal visit daily at 4 o'clock P.M. to M.D., 19 Elgin Avenue, ...

LONDON, E.—Good qualified Assistant for Counter; also Junior, to help put up stock and assist at Counter; outdoors; liberal salary to good men; half-holiday weekly. Apply, with full particulars, to Ne...man Drug Stores (Limited), 50 Barking Road, Canning Town, E.

LONDON, N.E.—Messrs. Barnard & Son, 309 Hackney Road, N.E., have a vacancy for an Assistant to manage a Branch; must be ...ing and energetic, and accustomed to middle-class trade; one evening a week out; very little Sunday duty. Apply as above, stating salary (indoors), age, experience, references, &c.

LONDON, S.W.—Wanted, September 6, qualified Assistant, about 24 or 25 (indoors), of good address; must have been accustomed to a good-class Dispensing and Retail business; state height, salary, &c. enclose photo (to be returned). Apply to Foster Blades, 10 Gloucester Road, South Kensington.

LONDON, W.—Improver wanted for September 1. Apply personally, F. W. Warren & Co., 340 Harrow Road, London, W. (opposite Lock Hospital).

LONDON, WEST.—Early in September, an energetic and reliable Junior; about 21; must have a fair knowledge of B.P., be able to Dispense, or serve customers; permanency to suitable Assistant; a... must state salary required (indoors), and send photo, and references to store chemist. 230/27, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

RETAIL—continued.

DC W.—Junior, used to quick Retail and Dispensing. State ght, references, experience, and salary required, to Shirtliff hawk Road, Shepherd's Bush.

DC E.—September 20; Assistant; two kept; must be good man and Stockkeeper; indoors; no heavy trade; knowledge trade desirable, but not essential. Apply, with references, lary, height, &c., and enclose portrait, to Harold Mitchell & range Road, Forest Gate.

NCESTER.—Qualified Assistant; gentlemanly, energetic, good erman, thoroughly trustworthy for good-class Retail and siness; knowledge of Photo Sundries trade desirable but not ply, stating age, height, salary required (outdoors), and full to previous engagements, enclosing photo, to T. E. Handford, al Chemist, 5 Yarburgh Street, Manchester.

RE NHAMPSTEAD. — Junior, indoors, for good-class ss, in small market town, early in September. Apply, rticulars, stating salary and sending photo, to C. E. Evans, nhamstead, Devon.

FOR —Wanted, to manage Branch, a qualified Assistant; must e and energetic and an Extractor; aged about 30; married; furnished apartments and light found. Apply, with particulars ary required, to Squire, Chemist, Oxford.

TH An Assistant to take charge of a Branch business; also a unto ssistant. Applicants will please state age, experience, salary d, and when disengaged, T. Davies, Pharmacist, Porth, Glam.

FFIELD.—Wanted, smart Assistant, with good references. sual rticulars to Twelves, Chemist, Sheffield.

TH FRICA.—Assistant wanted at once for Mashonaland, South frica; to 30 years of age; must be a qualified chemist and druggist; ption e references required; salary to commence at £250 per ; 3 rs' agreement; passage paid. Apply in writing, with full lars previous engagements, to C. & A., c/o W. J. Bush & Co. d), Allery Lane, London, E.C.

NTO.—Wanted, about September 9, a steady reliable Assistant; oloor aged 25 to 30. Apply, with full particulars, to Gregory & Chemists, Taunton.

ERTN.—Junior, by end of August; smart and active; qualifica- on necessary; half-day alternate weeks; short hours (indoors); oto a usual particulars. Also qualified Locum, at once. Lake's Pharmacy, Tiverton, Devon.

HITEHAVEN.— Wanted, an Assistant; outdoors; qualified; Mixed business. State age, salary required, &c., John H. Grayson, Street Whitehaven.

ORCESTER.—Outdoor Assistant for the Retail Counter. Apply, with oto, stating age, height, and experience, to E. J. Kitson, y Drug Stores, Worcester.

OPEN R (qualified) for high-class Branch Store; salary (out- doors) s. per week. State height, age, with references and photo, d, Ca Chemist, Haymarket, Leicester.

NIOR sistant, immediately, indoors, aged about 20; quick and ccurat none but good Countermen and thoroughly trustworthy pply. ate salary required, references, age, height, enclosing c.d.v. return W. Jacobs, Chemist, Guildford.

ANAGERS for Branches; qualified; several required; liberal terms good men. Apply, stating experience and qualifications, Limi), 43 Bull Street, Birmingham.

YLOR DRUG CO. (LIM.) have vacancies for one or two alifie Chemists, and also several smart Juniors. Apply, The ary, P. Box 174, Leeds.

E LO ON COUNTY COUNCIL is prepared to receive applica s for the position of Chemist of the Council; candidates ave h a thorough experience in analytical work, especially in ction w water, sewage, foods, drugs, and general stores, and in gas- ; the ary will be £700 a year; the person appointed will be ed to gi his whole time to the duties of his office; forms, on which ation is be made, and further particulars can be obtained from erk, Lon n County Council, Spring Gardens, S.W.; the latest time ceiving plications is 10 o'clock A.M. on Saturday, 11th September; orm of plication which is not filled up, or which in any respect o compl lth the terms of the advertisement, will not be laid before ouncil; sonal canvassing is strictly prohibited.

C. J. STEWART, Clerk of the Council.

nty Hal pring Gardens, 23rd y, 1897.

NATAL (SOUTH AFRICA).

ANTED a qualified Chemist as first Assistant; aged about 30; gentle nly in manner and appearance, with knowledge of graphy beral salary to capable man. Apply, stating particulars, ptimus" 25/17), Office of THE CHEMIST AND DRUGGIST, 42 Cannon , E.C.

ANTED an Assistant (married preferred); situation highly suit- able f n elderly married man with small income wishing to se it; w light; house found. State full particulars, with refer- &c., "P nus" (227/3), Office of THE CHEMIST AND DRUGGIST, 42 on Street C.

WANTED, immediately, a qualified Junior Assistant (outdoors); must be thoroughly competent and well recommended; one who has had experience in a good-class Family business will be preferred. Apply, by letter, stating age, experience, and amount of salary required, to Lofthouse & Saltmer, Hull.

WANTED, qualified Manager, of good appearance and address, accustomed to brisk Store trade; also energetic Assistant, well-up in Photography, and competent to take charge of that department; liberal salary to first-class men. Apply, with full particulars, which will be treated in confidence, to A. B C. (228/33), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, qualified outdoor Assistant at once, height not less than 5 ft. 8 in., for a permanency; aged about 28, and of gentlemanly appearance. Apply, with references, salary expected, &c., to "Chemist," 323 Park Road, Liverpool.

W. BOSTOCK & SONS, Pharmaceutical Chemists, Ashton-under-Lyne, require a qualified Chemist who has had experience in the Wholesale manufacture of B.P. Preparations, Tinctures, Extracts, Pills, &c. State age, references, salary desired, and enclose photo, which will be returned.

£3 per week, with commission on net profits, will be paid to a smart qualified business man whose services will be required as Branch Manager; also a qualified man as Dispenser wanted. Apply, personally, between 10 and 12 on Monday the 23rd, Lewis & Burrows (Limited), 22 Great Portland Street, W.

WHOLESALE.

LIVERPOOL.—Wanted, a young man as Assistant Pill Maker and Coater; one who has been accustomed to machinery. Apply, stating salary required, with references, to R. Sumner & Co., Wholesale Druggists, 50A Lord Street, Liverpool.

REPRESENTATIVE.—Wanted, by a first-class London Drug house, a gentleman to call on Medical Men and Chemists in London. Apply, giving full particulars as to experience, age, and salary expected, to L. B. (230/21), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

STOREKEEPER.—Wanted, for a large Laboratory, a man competent to take charge of Samples, Chemical Stores, and Apparatus, and to receive and despatch parcels; must be of active, methodical habits, able to keep accounts, and be a good penman; wages 50s. a week, rising by 2s. per annum to 60s. Apply by letter, stating age and past experience, with refereuces, to Dr. Thorpe, Somerset House, W.C.

WHOLESALE Drug Trade (Wet Counter.)—Required, a Junior Assistant. State experience, wages, &c., to "Rhei" (195/5), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WHOLESALE Drug Trade (Packed Goods).—Required, a few experienced boys. State salary and particulars to "Packed Goods" (197/26), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

WANTED, a young man who takes an intelligent interest in trade matters, to travel, calling upon Chemists and Druggists and Ironmongers; he would not be required to carry samples; state previous experience. Apply, 189/70, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

APPRENTICESHIPS.

RETAIL.

WEST OF ENGLAND.—A vacancy occurs in a good-class Dispensing establishment, for a well educated gentlemanly youth as an Apprentice; terms moderate. Apply, "Pharmacist," c/o Meggeson & Co., Miles Lane, E.C.

SITUATIONS WANTED

1s. for 12 words or less; 6d. for every 6 words beyond.

RETAIL.

QUALIFIED; 25; good experience. 26 Offley Road, Brixton, S.W.

AS Locum for September; qualified; aged 23. C/o King, Chemist, Bath.

LOCUM; aged 27; qualified. Wire, "Adolphus," 286 High Holborn, London, W.C.

LOCUM; aged 29; disengaged; first-class references. "Rhei," 118 Kingsland Road, N.E.

JUNIOR; 22; middle September; London. "Gentian," 113 King's Road, St. Pancras.

GOOD all-round quick trade (in or out), or as Locum. D., Pearce's, Chemist, Edmonton.

SITUATIONS WANTED—*cont.*

RETAIL—continued.

CHEMIST, experienced, wishes engagement in London. E., 2 Castle Terrace, Mnswell Hill.

PERMANENT or temporary. Heald, Pharmaceutical Chemist, Exam., Swineshead, Boston.

MANAGER; qualified; 29; good experience. H. C., 1 Elm Park Terrace, Fulham Road, S.W.

JUNIOR; 24; 8 years' experience; disengaged; Yorkshire preferred. Grace, Albert Street, Keighley.

MANAGER or Senior; qualified; splendid references; experienced. 135 Mayall Road, Herne Hill.

QUALIFIED; 28; outdoors. G. (227/5), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LOCUM; qualified; disengaged 23rd inst.; splendid reference. K., 126 Upper Stanhope Street, Liverpool.

DISPENSER (qualified) and Book-keeper; disengaged between 2 and 4 P.M. 29 West End Lane, Hampstead.

ASSISTANT; outdoors; qualified; aged 36; disengaged. "Chemicus," Chorlton Butcher, King Street, Knutsford.

JUNIOR; 4 years' experience; disengaged until September 30. Rouse, c/o Steward Wright, Linton, Cambs.

ASSISTANT; aged 26; unqualified; experienced; disengaged; good references. A. Mayne, Wootton-under-Edge.

QUALIFIED; 26; part-time; 10 years' London experience. "Medicus," 9 Bruton Street, Bond Street, W.

QUALIFIED; 23; good Dispensing experience; London preferred. "Armorica," Tennyson Avenue, Bridlington Quay.

TEMPORARY; qualified; reliable; 52; disengaged September 7. Jones, Mr. Thomas, Chemist, Penarth Road, Cardiff.

DISPENSER (Surgeon's); middle-aged; disengaged shortly; country preferred, near London. "Jacobns, '14 Coborn Road, Bow, E.

LOCUM-TENENS; qualified; aged 26; excellent references and experience; tall; disengaged. Ware, 29 South Street, Exeter.

LOCUM; disengaged; abstainer; experienced; 29; qualified. Wire or write, "Major," 81 Carter Street, Walworth, London, S.E.

AS Manager or otherwise, outdoors preferred; qualified; aged 28: first-class experience Owen, Uptoo House, Narberth, Pembrokeshire.

AS Junior; first-class watering place or City preferred; 4½ years' experience; Photography; highest reference. 10 Grosvenor Villas, Bath.

MANAGER; capable, energetic, experienced; 39; qualified. "Tall" (229/30), Office of THE CHEMIST AND DRUGGIST, 42 Cannon St., E.C.

MANAGER or Senior; qualified; aged 28; height 6 ft.; thorough knowledge of Photography. "Amidol," 71 East Street, Brighton.

WANTED, situation as Improver; passed Preliminary; 3 years' experience; good reference. James, 7 Guildhall Square, Carmarthen.

LOCUM.—Advertiser, experienced registered Pharmacist, is open for a week from August 28. Address, "Scotia," 84 Barkerend Road, Bradford.

AS Junior; country preferred; outdoors; good experience and knowledge of Photography; aged 23; height 5 ft. 10 in. Grant, 1 Old Cross, Hertford.

JUNIOR; 4 years' experience; knowledge of Dispensing and Photography; time for study; large town preferred. J. R. Cowburn, Moorby, Boston.

DISPENSER; Minor; 24; abstainer; London; outdoors; disengaged September 15. 229/10, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ADVERTISER (Minor man), 27, tall, with varied experience, seeks permanency as Assistant or Manager. R. A. Shepperson, Swaton, near Falkingham, Lincs.

MANAGER; 26; qualified; good all-round experience, London and provincial; Extractor; married; London preferred. "Vox," 15 North Parade, Monmouth.

JUNIOR, studying for Minor; part-time; in or out doors; near London. "Boracis" (227/9), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

QUALIFIED; 21; seeks engagement in good-class Dispensing business; 5 years' experience; satisfactory references; abstainer. E. Rider, King Street, Wigan.

ASSISTANT; 26; 7 years' London and South Coast St[illegible] good references; Photography; open September [illegible] 92 Commercial Street, Newport, Mon.

LOCUM; disengaged; Major; 27; tall; thoroughly e[illegible] customed to management; highest references. [illegible] Barray, 17 Farringdon Street, London.

ASSISTANT; aged 33; married; good experience. [illegible] pensing; unqualified; Extractor, Photography [illegible] "Molar," 48 Sterbourne Road, Birmingham.

QUALIFIED Assistant or Manager; outdoors; Lond[illegible] experience; Extractor; good references. "Rhet," [illegible] maceutical Chemist, Vauxhall, Birmingham.

UNQUALIFIED; Stores, Mixed business; would tra[illegible] days a week; exceptional references. "Beta" (229 [illegible] CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MANAGER—Advertiser desires engagement as; Lo[illegible] preferred; good references; qualified; aged 28. [illegible] THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

LONDON or Suburbs; Manager; West End and [illegible] perience; married, no family; undeniable reference[illegible] of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

QUALIFIED; 20 years' experience; good reference[illegible] pensership, Firm of Surgeons; Hospital, Managership [illegible] other suitable position. "Alpha," 26 High Street, Aberga[illegible]

FRANCE.—Pharmaceutical Chemist (24) desires situat[illegible] the Riviera: 3 years' good-class London experience; [illegible] of French. D. S., Bateman's Pharmacy, Finchley Road, L[illegible]

LOCUM-TENENS. 10 days, September 13: Dispe[illegible] Counterman, or Manager; 30; reliable; good ex[illegible] capacity: highest references. "Celeritas," 22 Heat[illegible] Chiswick.

QUALIFIED; 27: disengaged in a fortnight; at pr[illegible] situation; good London berth again preferred; exce[illegible] Address, 228/7, Office of THE CHEMIST AND DRUGGI[illegible] Street, E.C.

QUALIFIED; 23½; accustomed to best-class London [illegible] business; photography; tall; September 7; perm[illegible] lent references. "Kino," c/o F. Harries, Heathfield Roa[illegible] Birmingham.

RIVIERA OR ITALY.—Qualified Chemist; 27; [illegible] rience of International Pharmacy; speaking fluently [illegible] German, and some Italian; high references. Bernott, P[illegible] mann, Carlsbad, Austria.

ASSISTANT (or Dispenser to Doctor); 26; outdoo[illegible] country experience; steady, energetic, trustworth[illegible] mended. Apply, "Reliable" (230/23), Office of THE [illegible] DRUGGIST, 42 Cannon Street, E.C.

ITALY.—German, qualified, 27, speaking English and [illegible] and some Italian; 2 years' first-class London exper[illegible] seasons, &c; Rome or Naples preferred; disengaged [illegible] Fitzjohn's Pharmacy, 223 Finchley Road, London.

AS Second Assistant; indoors; qualified, of gentlema[illegible] good address, and accustomed to good class Dispe[illegible] Apply personally, or if by letter with carte, full partic[illegible] required, to Edward C. Perks, 1 Sloane Square, London, S.W.

RIVIERA (Italy).—German qualified Chemist (25), w[illegible] ence of international pharmacy, speaking English, F[illegible] Italian, requires situation in Mid-France or Italy: excel[illegible] two Mentone seasons. R. Haeberlein, c/o Schacht & C[illegible] Pavement, London, E.C.

WANTED, with view to purchase, situation in g[illegible] Assistant; qualified; large Dispensing, General, an[illegible] experience; excellent references. "Genuine" (226/29), [illegible] CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

DISPENSER.—Pensioned Army Compounder, duly qu[illegible] ance with the Regulations for the Army Medical De[illegible] engagement; good Extractor; can Prescribe and attend [illegible] cases; well experienced in the routine of a general pra[illegible] surgery; abstainer; aged 60; married: high testimonials [illegible] very moderate terms. Gilson, 7 Florence Road, Maidstone.

ROOM and Attendance required, one day per fortnigh[illegible] receive patients, Richmond and Woolwich; state ter[illegible] 12 Glasshouse Street, Piccadilly.

WHOLESALE.

FIRST-CLASS Traveller open to engagement; Drug[illegible] Specialities; connection; interview. "Ergotine" (2[illegible] THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

ASSISTANT, over 7 years' first-class Retail experience [illegible] tion Wholesale house; knowledge Surgical Instrum[illegible] graphy. "Antipyrin" (228/9), Office of THE CHEMIST [illegible] 42 Cannon Street, E.C.

WANTED, an appointment as Representative or othe[illegible] in good house, by Retail manager, aged 30, who ha[illegible] references both for personal character and business ability [illegible] of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

MISCELLANEOUS.

fin-de-siècle stall is that marked 'Smart men take Daisy dache.' Here we have a row of 'smart men,' gloved and daisies in their button-holes, heads that turn about, and n and shut. Can mortal genius farther go?"—*Morning*

Shop-fixtures.—Ranges mahogany drawers, with bevelled-abels and cut-glass knobs, shelving above, lockers below; sing-screens; counters with glass-case fronts; wall-cases; lat-top counter-cases; counter-desks; tooth-brush cases; nds, &c.; every requisite for Chemists, new and second-stock to select from, at extremely low prices; practical parts; estimates free. Matthews, Chemists' Fitter, eet, Liverpool.

Shop-fittings.—Bright, cheap lot ready for immediate run of mahogany-fronted drawers, glass labels and knobs, and cornice complete · 12 ft mahogany and plate glass handsome 6 ft. dispensing-screen, with bevelled-edged and counter under with sponge-case; 6-ft. mahogany and sk and perfumery-case with mirror-back: hent plate-glass n display and serving shelves; price £52 10s. the lot. Old Street, City Road, London, E.C.

JOHN LONGMAN BRAGG, Deceased.

to the Statute 22 & 23 Victoria, cap. 35, Notice is Hereby all persons having any claims against the estate of John late of Harewood House, Hendon, in the County of Middlesex, in the County of London, Biscuit Manufacturer, d on the 12th day of September, 1896, and whose Will and duly proved in the principal Probate Registry on the uary, 1897, by Annie Longman Bragg and John Howell trix and Executor named therein), and all persons having st the estate of the said John Longman Bragg, or against x and Executor in respect of the business or businesses gg's Charcoal Biscuits" and otherwise, carried on at Street aforesaid by the deceased prior to his death, and utrix and Executor after his death, are hereby required ulars of their claims, in writing, to the undersigned, on or ay of September next, after which date the said Executrix ll proceed to distribute the assets of the said deceased s entitled thereto, having regard only to such claims and they shall then have had notice; and the said Executrix ll not be liable for the assets nor any part so distributed whose claim or demand they shall not have had such d.

day of August, 1897.

LYNE & HOLMAN,
5 and 6 Great Winchester Street, London, E.C.,
Solicitors to the said Executrix and Executor.

CUCUMBER AND GLYCERINE.

cumber Paste is the best for preparing Cucumber Emulsion. nd labels free with each jar; ½ lb. (for 3 lbs. emulsion), 3*d.*; 7 lbs., 25*s*, post free. Rouse, 61 Charlotte Street, bers actually enter into the composition of this article.

TO AGRICULTURAL CHEMISTS.

AGENTS Wanted in Market Towns for the Sale of D. Clarke's Carbolized Wheat Protector, tested for upwards of 53 seasons by thousands of the first practical farmers in the Kingdom, and proved to be a certain preventative of Smut, &c., in Wheat, Oats, and Barley. For particulars write to Clarke, Carbolized Wheat Protector Manufactory, Woburn, Beds.

BUTLER'S "Seabreeze" Saline.

PUBLIC APOLOGY.

I, THE UNDERSIGNED, SYDNEY BOWRING WHITE, of Humberstone Road, Leicester, Chemist, do hereby express my sincere regret that I should have sold, under the name of "Seabreeze" Saline, which words are embodied in your registered trade-mark and are known in connection with the article Butler's "Seabreeze" Saline, as prepared by you, a commodity which was not, in fact, prepared by or obtained from you.

And I hereby undertake that I will not in the future prepare, sell, deal in, or otherwise dispose of, under the name of "Seabreeze," or "Seabreeze" Saline, any commodity except the article prepared and supplied by you under that name.

I further authorise you to publish the present Apology, or any part thereof, in any one or more newspapers.

I also undertake, in consideration of your refraining from commencing legal proceedings against me in respect of the acts complained of by you, to forthwith pay the sum of Five Pounds to the Treasurer of the Children's Hospital at Leicester, for the benefit of that Institution, and to pay all legal costs and other expenses incurred by you in relation to the aforesaid matters and the publication of the present Apology.

As witness my hand this 21st day of July, 1897.

SYDNEY BOWRING WHITE.
Witness, ROBERT HARVEY, Solicitor, Leicester.

To Messrs. T. E. BUTLER, SON & CO.

mary of Principal Contents of to-day's issue of "The Chemist and Druggist."

EVANS's address to the British Association was (p. 332).

D CORONER seems to object to doses being put abels (p. 316).

JONES declines to argue with anonymous who defy him (p. 352).

Customs authorities have failed to make Scott's duty on entering the city (p. 318).

s of those who have passed the Institute of minations this month are given on p. 316.

of the Glasgow Conference include several pen-nes and the group taken at Arrochar (p. 348).

ACID FATALITIES are increasing so much again urge the necessity for scheduling

ance of the reserved sample of a purchase ale of Food and Drugs Act purposes is em-case reported on p. 331.

ot anything strikingly novel in the Chemists' hich has been held in London this week, as ed from our report beginning p. 336.

for pharmaceutical registration in Jersey has ing. A portrait of Dr. Duret Aubin, the author t, is printed along with our notes on the subject

TS have been having a good and international ls this week. The papers were numerous and he discussions diverting and lively, and the than all. Our report includes numerous 20).

A CASE OF SULPHONAL-POISONING is recorded on p. 316.

THE BRITISH DENTAL ASSOCIATION has met in Dublin this week (p. 318).

THE position of the inter-drug-trade cricket season is tabulated on p. 317.

THE dangers of making copal varnish are exemplified in a fatality reported on p. 317.

A REFRESHING PIECE of French admiration of the Briton is commented upon (p. 334).

INTERESTING PARTICULARS regarding the commerce of rhubarb are given on pp. 333–4.

THAT "ROYAL" BAKING-POWDER DISPUTE still gives Irish lawyers work to do (p. 318).

THE German *Apotheker Verein* is advocating a reform of the pharmacy licensing law (p. 319).

A MAN who says he has the "secret" of Yorkshire relish has been restrained by the High Court (p. 330).

THE CANADIAN P.A.T.A. OBJECTS seem more comprehensive than those of the original P.A.T.A. (p. 319).

THE twenty-fourth of the late Mr. S. M. Burrough's estate is now to be distributed amongst his employés (p. 317).

HAMPSTEAD GUARDIANS think 40*l.* a year with board and lodging good enough for a doctor, but the L.G.B. objects (p. 316).

THE INSPECTOR-GENERAL IN BANKRUPTCY states, in his annual report, that limited liability is sometimes used as a cloak for insolvency (p. 335).

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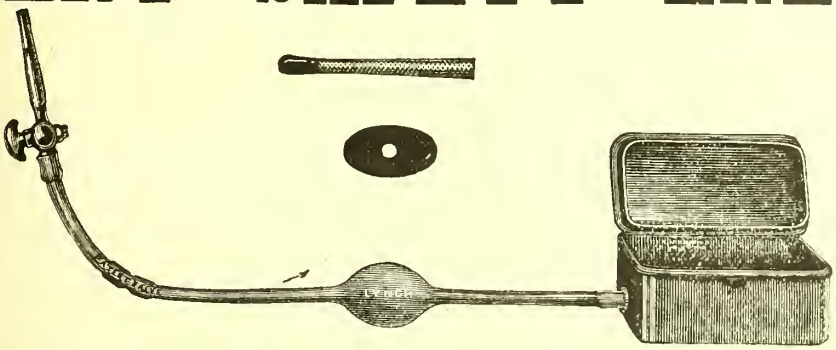

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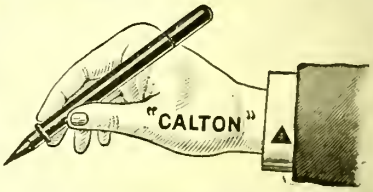

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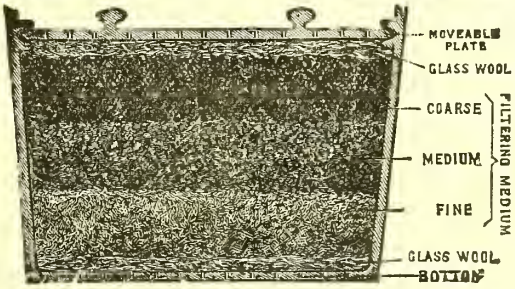

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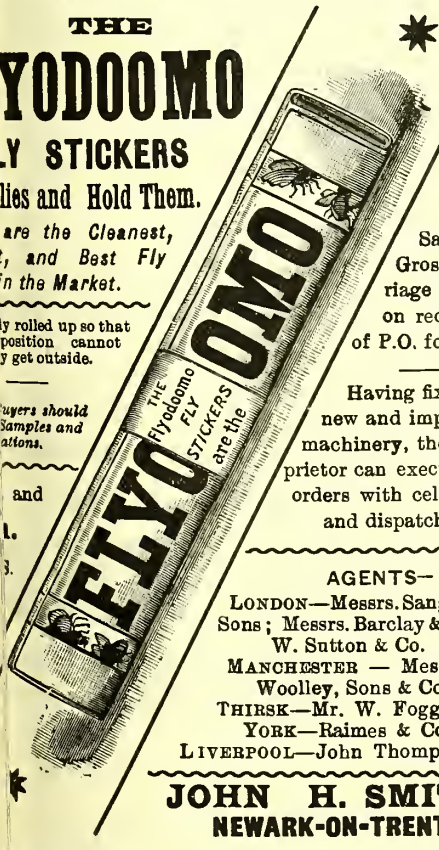

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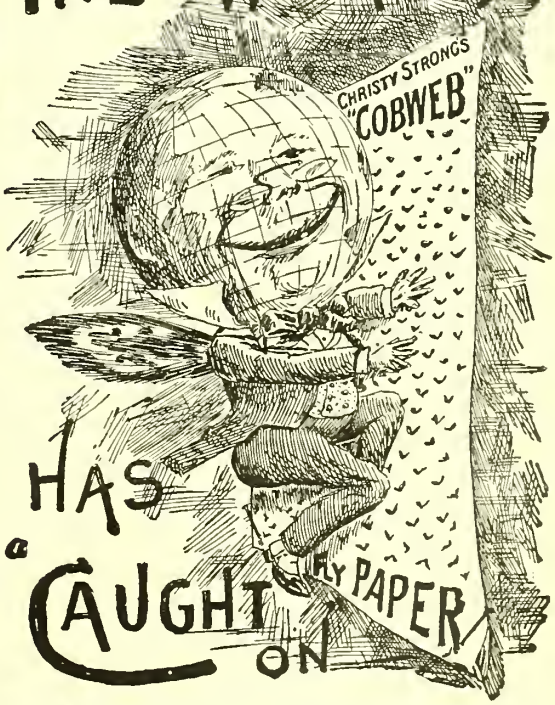

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SILVER MEDAL I.H.E. 1884.

LIST OF PRICES

24 lb. Box	1 lb.	6/6
24 lb. "	½ lb.	7/-
24 lb. "	¼ lb.	8/-
24 lb. "	(ASSORTED 1 lb. ½ lb. & ¼ lb.)	7/3
24 lb. "	1 GROSS 1 lb.	8/-

TRADE MARK NATIONAL CHEMICAL Co CHLORIDE OF LIME

N.C.Co. INVENTORS AND SOLE MAKERS BEWARE OF IMITATIONS

TO BE HAD FROM ALL WHOLESALE DRUGGISTS!

NATIONAL CHEMICAL Co. LONDON.

"THE ONLY GENUINE"

GOVERNMENT DISINFECTANT

CHEAPEST AND BEST HOUSE FOR CARBOLIC POWDER IN TINS

CARBOLIC POWDER PINK IN DECORATED TINS

PRICES: PER GROSS

GREEN & BLACK 15% 6d Size 45/- 1/- " 90/-

BLACK & GOLD 6d Size 1 lb. 40/- 1/- " 2 lb. 60/-

ALSO IN CASKS & PACKAGES FLUIDS, ACIDS, SOAPS ETC

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THE GOVERNMENT DISINFECTANT PINK CARBOLIC POWDER USED BY MAJESTY'S GOV TRADE MARK THE BEST & CHEAPEST CARBOLIC DISINFECTANT GOVERNMENT SANITARY LONDON S.E.

THE GOVERNMENT SANITARY Co LONDON

GERMOL

NEW AND POWERFUL DISINFECTING FLUID.

(NON-POISONOUS.)

More powerful than Carbolic Acid, and does not stain or burn in use.

"MICROBMORT" FOR SURGICAL USE.

GERMOL SANITARY POWDER

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Samples and Particulars on application to the Sole Manufacturers—

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BOWDLEAR'S FLOOR WAX

Testimonials from the most prominent teachers in the United States.

Pulverised. For Dancing Floors. Is not white. Will not ball on the st Will not soil clothes. All ready. Anybody can apply it.

The floor must be clean and free from oil. Sprinkle, and the dancer will do the rest. Put up in pound packages, in cases of 36 pounds.

One pound is sufficient for a floor space of 10,000 square feet, and not wasted will be found to go four times as far as anything else on the m et.

No dust is another feature in its favour.

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W. H. BOWDLEAR & CO., 149 Pearl St., Boston, Mass., U. A.

STOKES' CASH TILL.

Reduced Price **47/6** Latest Improveme s.

(Sent on Trial seven days, on receipt of two referen s.)

Particulars and Testimonials on application.

S. R. STOKES & CO., LT.

HANLEY, STAFFS.

Harmless Antiseptic & Disinfectant Gas.

The Problem of a Harmless Antiseptic has been now solved by the introduction of

The "Alformant"

(REGISTERED TRADE MARK),

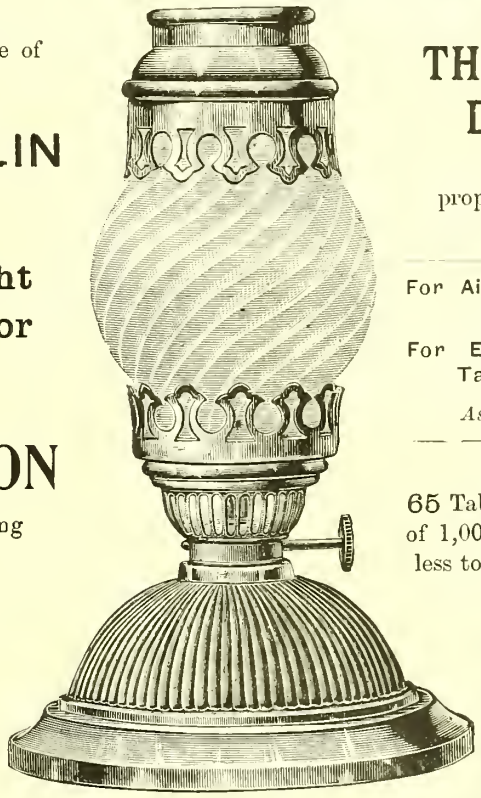
An elegant and ornamental Lamp capable of distributing from

DRY FORMALIN TABLETS,

2½ times by weight Formalin Gas, for

AIR STERILISATION

in the Sick, Bed, and Living Room,



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THOROUGH ROOM DISINFECTION

by definite proportion of Gas to any given Room capacity.

For Air Sterilisation use 1 Tablet for 1,000 cubic feet.

For Effectual Disinfection use 10 Tablets for 1,000 cubic feet.

As proved by eminent authority.

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65 Tablets gasified in a room capacity of 1,000 cubic feet have proved harmless to the respiratory organs of man.

R.L.P. ***12/6 each.***

ANTISEPTIC TREATMENT of WOUNDS.

DR. SCHLEICH'S GLUTOL

A fine powdered Formalin Gelatine, is the ideal antiseptic in the treatment of fresh or infected wounds. Self-applying and protective, forming a firm scab in a short space of time, needing no other antiseptic treatment. **2/6** per tin of 1 oz.

GLUTOL SKINS, for painful and swollen skin surfaces. **2/6** per oz.

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MAKE YOUR OWN MINERAL WATERS.

See Pages 442 and 443, *Chemist and Druggist* Diary, 1897.

A great many Chemists, Hospitals, &c., are using this simple and most effective Plant, and producing splendid Aërated Waters.

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A COMPLETE APPARATUS,
CAPABLE OF PRODUCING
OVER
300 DOZ. BOTTLES
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at a minimum of cost,
from
£20.

NO DANGER. NO MESS.

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AND ALL APPLIANCES FOR THE TRADE.

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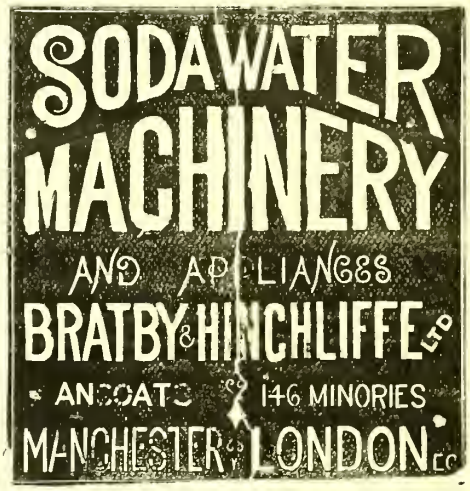

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PRICES.

SYPHONS ... 1/6, 1/8, and 1/10 each.

SELTZOGENES.

1	2	3	4	5	8 pint.
6/-	6/8	7/6	8/6	10/5	16/- each.

Including two funnels and stopper for charging.
The tops of these Seltzogenes are made of pure block tin, guaranteed.

A copy of our Book of Instructions for the manufacture of Aerated Beverages will be presented to purchasers.

American Agents.—For New York and East, WM. G. SMITHERS, 11 Duane Street, New York.
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All our Seltzogenes are manufactured on the well-known "Fevre" System, and each one is thoroughly tested before leaving the works.

NATURAL MINERAL WATERS.

PACKING FREE. **INGRAM & ROYLE LTD.** CARRIAGE PAID.

LONDON—EAST PAUL'S WHARF, 26 UPPER THAMES ST.

HUNYADI-JÁNOS

LIVERPOOL: 19 South John Street.

BRISTOL: 80 Redcliff St.

VICHY

NAME	Per Dozen Bots.	Per Dozen ½ Bots	Original Packages Bottles		Original Packages ½ Bottles	
Eulap	15/-	12/-	25	30/-	50	50/-
Apollinaris	6/-	5/-	50	23/-	100	36/-
Bouboule (La)	11/-	—	50	42/-	—	—
Carlsbad	12/-	—	50	46/-	—	—
Coral	—	14/-	—	—	50	56/-
Corexeville	9/-	—	50	35/-	—	—
Flavick	24/-	15/-	—	—	—	—
Franz-Josef...	12/-	10/-	25	22/6	50	35/-
Friedrichshall	13/-	10/-	25	25/-	50	40/-
Gelstein	5/-	4/-	50	20/-	50	15/-
HUNYADI-JÁNOS ...	12/-	10/-	25	22/6	50	35/-
Johannis	5/6	4/-	50	20/-	100	32/-
Krenquelle	9/-	—	50	36/-	—	—
Leco	—	15/-	—	—	—	—
Obbrunnen ...	8/6	—	50	35/-	—	—

NAME	Per Dozen Bots.	Per Dozen ½ Bots	Original Packages Bottles		Original Packages ½ Bottles	
Pitkeathly	—	3/6	—	—	—	—
Pullna	12/-	8/-	40	36/-	40	25/-
Reginaris	5/6	4/6	50	21/-	50	17/-
Roisdorf	5/6	4/6	50	22/-	100	35/-
Rosbach	5/6	4/-	50	20/-	100	32/-
Royat	9/-	—	50	34/-	—	—
Rubinat	15/-	8/-	25	30/-	100	60/-
St. Galmier	6/-	4/6	50	22/-	100	34/-
St Marco	11/-	6/6	50	42/-	100	52/-
Salutaris (not carriage paid)	4/-	2/6	—	—	—	—
Selters...	6/-	4/6	50	24/-	50	17/-
Vals	8/6	—	50	33/-	—	—
VICHY (State Springs), "Celestins," "Hôpital," "Grande-Grille," &c. ...	**8/6**	**6/6**	**50**	**33/-**	**50**	**25/-**

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E. A. HOLLOWAY,

A.P.S.,

COCA WINE

MANUFACTURER,

TORQUAY.

HOLLOWAY'S Coca Wine	2/9	...	per doz.	33/-
" Coca Wine	1/6	...	"	18/-
" Coca Elixir	4/6	...	"	54/-
" Coca Elixir	2/6	...	"	30/-
" Coca Lozenges ...	2/-	...	"	24/-
" Coca Lozenges ...	1/-	...	"	12/-
" Coca and Kola Wine...	2/9	...	"	33/-
" Coca and Kola Wine...	1/6	...	"	18/-
" Coca and Kola Elixir...	4/6	...	"	54/-
" Coca and Kola Elixir...	2/6	...	"	30/-
" Kola Wine	2/9	...	"	33/-
" Kola Wine	1/6	...	"	18/-
" Meat and Malt Wine...	2/9	...	"	33/-
" Meat and Malt Wine...	1/6	...	"	18/-
" Cinchona Wine ...	2/9	...	"	33/-
" Cinchona Wine ...	1/6	...	"	18/-
" Quinine Wine, Reputed Quarts...			"	15/-

33⅓ per cent. Discount. Carriage paid.

Re

COLEMAN'S Wincarnis

COLEMAN'S Crown Imperial Invalid Champagne

COLEMAN'S Coca Wine

COLEMAN'S Wincarnis with Quinine

COLEMAN'S Coca Wine with Quinine

The above Medicated Wines, with the exception of Wincarnis with Quinine and Coca Wine with Quinine, cannot be sold without a Foreign Wine Licence.

Under certain conditions Messrs. COLEMAN & CO., Limited, are prepared to Pay for a Foreign Wine Licence.

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Wincarnis Works, NORWICH.

PETER TYRER'S SAUCES

WORCESTER, READING, HARVIE, YORKSHIRE, AND "BOROUGH" KETCHUP.

SILVER MEDAL.

	Per gross.	Extra quality.
1d. Sample Bottles, dozen parcels	5/3	6/3
" " ½-gross boxes	5/9	6/9
1d. Giant " dozen parcels	6/6	8/6
" " ½-gross boxes	7/-	9/-

	Per gross.	Extra qu
¼ Bottles, flat or round, reputed half-pints	16/-	26
½ " " " pints	26/-	38
1 Pint Imperial, round stoppered bottles	52/-	62
12½-Gallon Casks (*casks free*) each	20/-	32

ROYAL CAFE SAUCE, a Rich Fruity and Exquisite Flavou

Square Glass Stoppered Bottles, containing nearly ½-pint Imperial, 42/- per gross. Sample Bottles at 7/- per gross.

MANUFACTORY — 30 SOUTHALL PLACE, LONG LANE, BOROUGH, LONDON, S.

CHIEF SCOTCH AGENCY — West Nile Street, GLASGOW.

DIASTASED FARINA FOO

A New and Very Superior Food for Infants, Delicate Children, and Invalids. The great desideratum of a Food for Infants, Delicate Children, and Invalids is easiness of digestion, simplicity of preparation, and power of restoring strength; for these purposes it is superior to any other Food.

RETAIL PRICE 1/6 PER TIN.

A totally unsolicited Report of a Medical Man's experience with the Diastased Farina Food.

YORKSHIRE, December 2, 1896.

DEAR SIRS,—Since August I have been trying your "Food," and I am well satisfied with the result. Milk is the most perfect food, but when you have to reckon with a low type of stomach, or a poor class of milk, assimilation is imperfect, dyspepsia frequent. The addition of your "Food" prevents the latter and hurries the former. I have had admirable results in the treatment of Phthisis, Chlorosis, Gastric Ulcer, Atonic Dyspepsia, and Neurasthenia.

Manufacturers: — E. BEANES & CO., Hackney Wick, LONDON, E.

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BURROUGH'S "RED CROSS BRAND"

COCA WINE.

WRITE FOR PRICES AND SAMPLES.

Dr. A. B. GRIFFITHS says, "Second to none in the market."—*Aug.* 24, 1896.

CALE STREET DISTILL
CHELSEA,
LONDON, S.

Also S.V.R. & S.V.
At Lowest Prices.

A. MILLAR & CO., LTD., DUBLIN.

PURE ORANGE WINE

(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopœia.

SELTZOGENE CHARGE.

("MINERAL" BRAND).

A NEW DEPARTURE

TARTARIC ACID SUPERSEDED

(See this Journal, 19/12/96, page 880).

British Materials. Inorganic. No Field for Germ Growths

BETTER. STRONGER. CHEAPER.

THE SELTZOGENE PATENT CHARGES CO.

ST. HELENS.

HOLY- -ROOD

TABLE WATER.

Shown by analysis to be **equal** to the **best importe** and is **FAR MORE ECONOMICAL.**

Highly Commended by LEADING MEDICAL AUTHORITIES

"Messrs. J. F. Macfarlan & Co. have hit upon a really excellent i— viz., an artificial saline table-water, similar in composition to the po ar imported natural aërated table-waters."—*Chemist and Druggist.*

J. F. MACFARLAN & C

Abbeyhill Chemical Works,

EDINBURGH.

A BOY CAN PUSH

A MAN'S LOAD WITH ONE OF OUR DELIVERY TRUCKS,

All if you wish to make money in your business you must ***PUSH*** it!! ***PUSH*** it hard!! These are keen times, and the man who makes money is the one ***IN FRONT!!!*** You can keep your name well in front by using one of our DELIVERY TRUCKS, written with an attractive advertisement. Every Chemist will sooner or later have one; and first man in each town or district to obtain one of our Carts buys a cheaper Truck than the second. It is the novelty that attracts and advertises.

The "ACME" CHEMIST'S TRUCK.

Light, Strong, Durable.

Box 26 × 20 × 21 inches; constructed of seasoned hardwoods. Door at front.

Fitted with Two Strong Racks between wheels, taking a case containing 1 dozen Syphons of Soda-Water each side.

1-in. Rubber-Tyred Spider Wheels.

Coach painted and highly finished any colour to order.

PRICE

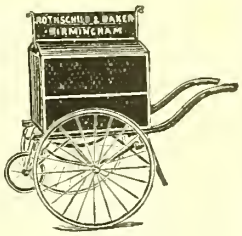
£6 10 0

NET.

All Lettering Extra.

PRICE LISTS FREE ON APPLICATION.

No. 15.—Similar Truck to above, but without Racks. Fitted with Rubber front tip wheel, as shown. Box 26 × 20 × 21. Door at front, or lid at top. Lock. 1-inch Rubber-Tyred Spider Wheels.



Price £4 15 0 net.

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ANY SIZE CAN BE MADE TO ORDER.

BOX TRUCKS from £3.

ROTHSCHILD & BAKER,

BATH CHAIR AND TRUCK MAKERS,

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MACFIE & SONS'

PURE GRANULATED, ENTIRELY FREE FROM COLOURING MATTER,

For making Syrups and other Pharmaceutical Purposes.

GUARANTEED PURE CANE SUGAR.

MANUFACTURED ONLY BY

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Samples and Quotations from Evans, Sons & Co., 56 Hanover Street, Liverpool, on application.

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WHAT "THE CHEMIST AND DRUGGIST"

Special Chemists' Sugar.—It is generally agreed amongst practical pharmacists that the sugars of commerce are, with few exceptions, unfitted for making medicinal preparations. Comparatively few of them are pure cane-sugar, and many are "faced" with some colouring matter, the latter being particularly the case with some loaf-sugars. The trouble arising from these and other causes has been so widely experienced in pharmacy that further comment upon them is unnecessary, our present purpose being to call attention to a special chemists' sugar which is offered by Messrs. Macfie & Sons, sugar refiners, 34 Moorfields, Liverpool. We have recently examined it, and have formed a high opinion of its suitability for pharmaceutical purposes. It is a pure white sugar in fine granules, is perfectly dry, and dissolves readily in cold water to form a perfectly clear syrup—syrupus, B.P., can be made in this way, and most other syrups can be made with it without heat. The sugar does not contain any invert product, is absolutely free from "facing," and its solutions, acidified with mineral acids, remain perfectly odourless. Commercial sugars, in our experience, vary greatly in sweetness; this we find to be of high standard in that respect. We suggest that chemists who have reason to be dissatisfied should give this new brand a trial.

THINKS ABOUT OUR MAKE.

IMITATED BUT NOT EQUALLED!!

MASON'S IS THE ORIGINAL EXTRACT OF HERBS

No other Extract makes Beer like it!!

INVENTORS AND MANUFACTURERS—

NEWBALL & MASON, NOTTINGHAM.

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HALL'S

WINE

SELLS READILY.

PROTECTED PROFIT 25%

Advertising matter free upon application
to the proprietors—

STEPHEN SMITH & CO.

(LIMITED),

BOW, LONDON.

SPECIAL NEW LINE

IN

GIBSON'S

CELEBRATED SWEETS.

ONE POUND, HALF-POUND, AND QUARTER-POUND BEAUTIFULLY ENAMELLED TINS, WITH PATENT LIDS.

Diamond Jubilee Toffee.
Cream Toffee.
Lemon Drops.
Barley Sugar.
Malt Tablets.
Pear Drops.
Mint Rock.
Lime Fruit.
Pine Apple.
Raspberry.
Damson.
Ginger.
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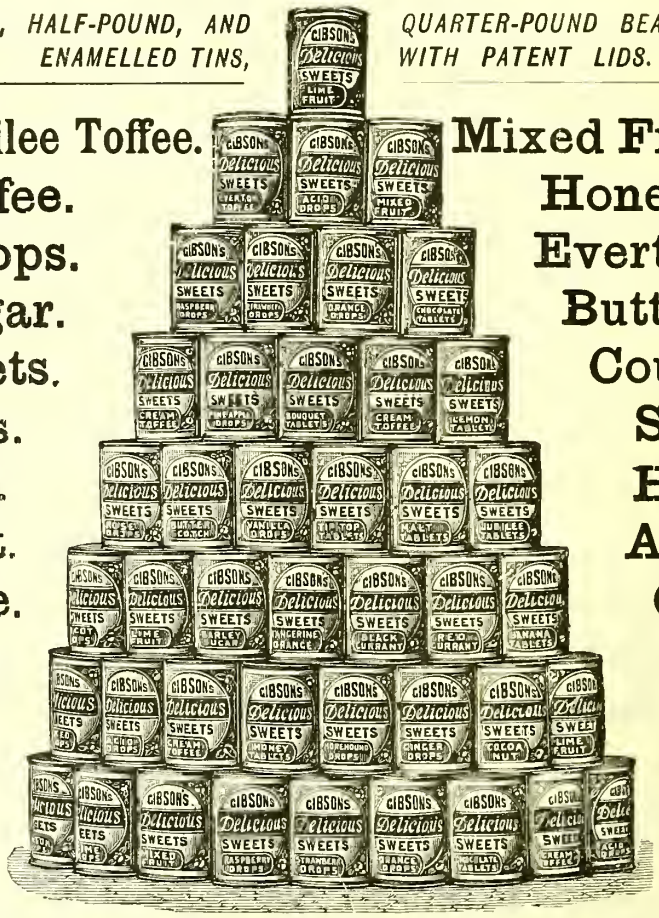
&c., &c.



Mixed Fruit Drops.
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Cough Drops.
Strawberry.
Horehound.
Acid Drops.
Greengage.
Chocolate.
Orange.
Cherry.
Rose.
&c., &c.

For many years these goods have been shipped abroad only in bottles; now the firm have decided to pack them in 1-lb., ½-lb., and ¼-lb. tins at 7/6, 4/6, and 2/9 per dozen respectively to the Retail trade, special terms being made with Wholesale buyers. Messrs. Gibson & Sons believe by offering their **WORLD-RENOWNED BOILED SUGARS** in portable, unbreakable packages, beautifully enamelled, they will not only enormously increase their own business, but supply a long-felt want to buyers abroad, and remove at once the only obstacle standing in the way of everybody being able to stock these goods without the slightest fear of sustaining any personal loss.

Indents may be filled and sent direct to the Works, MANCHESTER, to the Firm's LONDON WAREHOUSE—

1 GLASSHOUSE YARD, ALDERSGATE STREET,

Or to any LONDON SHIPPERS.

DR. TIBBLES' VI-Cocoa

HE WHOLESALE PRICE.

RETAIL PRICE.	PER DOZEN.
6d. Packets (Two Dozen in a box)	5/-
9d. Tins (Two Dozen in a box)	7/6
1/6 Tins (One Dozen in a box)	15/-

ISCOUNTS.

5 per cent. Discount on Orders up to £5.
7½ per cent. Discount on Orders for £5 and upwards.
Terms—Cash within 7 days.
Carriage Paid on Orders value £2 and upwards.

N.B.—The above Discounts are from 3¾ to 6¼ per cent. better than can be obtained from any other source, whilst the merits of **DR. TIBBLES' VI-COCOA** are far greater than any other similar preparation in the world.

LMIT OF CUTTING.

The Proprietors hereby give notice to the Trade that the limit of "cutting" prices of **DR. TIBBLES' VI-COCOA** has been fixed as under:—

6d. Packets	to be sold	at not less	than	5½d.
9d. Tins	,,	,, not less	,,	8½d.
1/6 Tins	,,	,, not less	,,	1/4½

Full Prices to be obtained wherever possible.

FIRTHERMORE,

Any Chemist, Grocer, or Stores cutting below these prices will be refused supplies direct from ourselves. And in this connection it is important to note that in £5 lots and upwards no trader in the kingdom, "Wholesale or Retail," can obtain more than the 7½ per cent. discount we offer.

Furthermore, as we pay carriage on orders value £2 and upwards, it will **not be possible to obtain the advantage of this concession, nor that of the exceptional discounts we offer, unless our ruling as to the "cutting" of price is complied with.**

Read the foregoing, send your order to

DR. TIBBLES' VI-Cocoa Ltd.,

60, 61, and 62 BUNHILL ROW, LONDON, E.C.

And obtain your fair share of the profits that are daily being made by our customers everywhere.

Prepared with special ingredients as a Beautifier of the Skin and Complex n, and guaranteed to contain arsenic.

Dr. MACKENZIE'S ARSENICAL TOILET SOA

Will produce the most lovely complexion, free from blotch, blemish, coarseness, redness, fre s, pimples, lines, wrinkles, or crowsfeet. Deliciously and expensively perfumed, One Shilling per Ta et. Unscented, 6d. per Tablet. Doctor's Certificate with each cake, certifying to its harmlessness, pu y, and beautifying qualities.

"11 and 12 Great Tower Street, London, E.

"I hereby certify that I have submitted to careful chemical examination a sample of Dr. Mackenzie's Arsenical Toilet Soap, and I find it to b of a very high standard of purity and excellence, entirely free from all undesirable constituents and admixtures. It has been skilfully and judiciously p red from the choicest mate ials, and is a Toilet Soap of admirable characteristics.

"GRANVILLE H. SHARPE, F.C.S., Analytical and Consulting Chemist (Late Principal of the Liverpool College of Chemistry

MADAME ADELINA PATTI
"finds Dr. Mackenzie's Arsenical Soap most excellent."
Craig-y-Nos Castle.

FLORENCE ST. JOHN writes—
"I have been using Dr. Mackenzie' Arsenical Soap for three mouths now. It was recommended by a friend, and I was so pleased with the result that I now use no other. You are at liberty to publish this letter."

MDLLE. JEANNE DOUSTE
writes—
"I find it delicious, and will certainly use no other."

ELLALINE TERRISS
writes from Gaiety Theatre—
"I have tried Dr. Mackeuzie's Complexiou Soap. I think it is quite one of the best I have ever used, and can thoroughly testify to its excellence."

MISS EDITH COLE
"is so pleased with Dr. Mackenzie's Arsenical Toilet Soap that she encloses 4/6 for a box of his Complexion Wafers."
Opera House, Northampton.

"THE QUEEN" says—
"Having used Dr. Mackeuzie's Arsenical Toilet Soap, and heard what others say, we have every confidence in recommending it as not only harmless but useful and most agreeable. Its form, colour, perfume, and emollient qualities are beyond dispute."

DOROTHEA IRVING
writes from Southampton w, W.C.—
"I have used your Soap aire for some time, and find it most so ing and refreshing to the skin."

CYNTHIA BROOKE
writes from Adelphi The e, London—
"I consider Dr. Mackenzie Arsenical Toilet Soap positively th est I have ever used for the comple ."

SOPHIE LARKIN write
"I have for some time us Dr. Mackenzie's Arsenical Soap, an ind it excellent."

FANNY BROUCH
"considers Dr. Mackenzie's Ar cal Soap most pleasant for toilet us ost excellent in hard water, most de ate in perfume."

MISS FORTESCUE
"is pleased to recommend Dr. M nzie's Arsenical Soap, as she fo it most excellent."

"THE PRINCESS" say
"Dr. Mackenzie'a famous Ars al Soap contains arsenic in the exac roportion required to render the so at once innocuous and beneficial, le various other ingredients make he ideal complexion soap."

Report by Dr. A. B. GRIFFITHS. F.R.S. (Edin.), F.C.S., *Member of the Chemical Societies of Paris and St. Petersb ; Lecturer on Chemistry, Central School of Chemistry and Pharmacy ; Analytical Chemist and Assayer.*
"London, S.W

"I have examined many samples of Dr. Mackeuzie's Arsenical Toilet Soap, and have always found it to be of uniform composition. It is a super d de-hydrated Cold Cream Soap of the finest quality, and made from the purest ingredients. It contains a very small quantity of Arsenic; but it m be stated that the quantity of Arsenic useful for the skin is so small that the soap in question is absolutely harmless, yet the Arsenic present in the ap produces a most beneficial effect. This Soap has the property of rendering the skin white and smooth ; in fact, it is a perfect soap for softening and h tifying the skin, and it imparts to the complexion a natural hue. (Signed) A. B. GRIFFITHS, F.R.S. (Edin.), F.C.S.

WHOLESALE PRICES - For quantities of not less than 1 gro s.

1/- Tablets, scented, 90/- per gross. | 6d. Tablets, unscented, 45/- per gross.

Special Discounts for large Orders. *TERMS—Strictly Net Cash.*

HANDSOME SHOWCARDS UPON APPLICATION.

Sole Proprietor, **S. HARVEY**, 5 Denman St., London Bridge, London, S.

Telephone Number, Bank 852. Telegraphic Address—CHEMICUS LONDON.

ADVERTISERS' AND BUYERS' REFERENCE LIST AND INDEX TO ADVERTISEMENTS

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A VERTISING SPECIALITIES
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A TD & MINRLS
A linaris Co.
B ett & Foster
B by & Hinchliffe, Lim.
C olsts' Aerated Waters sociation, Lim.
E & Son (Ruthin)
H s & Collingwood
H yadi János
I & Co., Ld.
I am & Royle, Lim.
J bury & Brown
M arlan, J. F., & Co
M & Co. (Bourne)
R ach Springs, Lim.
R , W. A., & Sons, Lim.
S ogene Patent Charges Co.
S euson & Howell

A ATED PLANT
(S YPHONS and ESSENCES)
B ett & Foster
B by & Hinchliffe, Lim.
T , Hayward, & Co.
V anic Aeration Co.

A CIES ABROAD
A ralian Drug Co.
B on & Co. | Boiss
G g, G.
G de Pharmacie Finck
K pthorne, Prosser & Co.
L on, G. B., & Co. [(N.Z.)
P e, Allen & Co.
S h & Sons
T or & Colledge

A KALOIDS
H ards & Sons (Cinchona)
M arlan, J. F., & Co.
S h, T. & H., & Co.

A MONIA
M & Baker, Lim.
W e, A., & Sons
W ley, Sons & Co.

APPARATUS
Bennett, Sons & Shears
Berend, O., & Co.
Woolley, J., Sons & Co.

BAKING POWDER
Goodall, Backhouse & Co.

BATH & FLESH GLOVES
Maw, S., Son & Thompson
Solport Bros.
Wood, Vincent

BATH SALTS
Tidman & Son, Lim. (Sea Salt)

BEESWAX
Bowdlear & Co.
Evans, Sons & Co.
Kemp & Son | Leonhard, T.
Lüneburger Wachsbleiche
Shearing, F., & Co.

BICARB. SODA
Brunner, Mond & Co., Lim.
Howards & Sons
May & Baker, Lim.

BIPALATINOIDS
Oppenheimer, Son & Co., Lim.

BISMUTH PREP.
Hearon, Squire & Francis
Hewlett & Sons
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.
White, Alfred, & Sons

BOOKS, &c.
Snow, Dr. H.
Squire's "Companion"
Whittaker & Co.

BORAX
Howards & Sons

BOXES
Austin & Co. (Cardboard)
Ayrton & Saunders
Evans, Sons & Co.
Kent, G. B., & Son
Kilner Bros.
Patent Stopper, Box, and Stamping Co., Lim. (Tin)
Robinson & Sons
Rogers & Co.
Tinplate Decorating Co.

BOTTLES
Ayrton & Saunders
Barnett & Foster
Barrett, R. H.
Bratby & Hinchliffe, Lim.
Breffits, Lim.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Isaacs & Co. | Kilner Bros.
Lynch & Co., Lim.
Maw, S., Son & Thompson
Poths, H., & Co.
Stipendum Stopper Co., Lim.
Toogood, W. | Youldon, E
York Glass Co., Lim.

BRUSHES
Addis & Son (Tooth)
Evans, Sons & Co.
Hovenden & Sons
Kent, G. B., & Sons

BUNSEN BURNRS
Berend & Co.

BUTTER COLR, &c.
Boulton, J., & Co., Lim.
Müller & Co.
Tomlinson & Hayward

CACHETS
Brager, L.
Christy, T., & Co.
Cooper & Co.
Sangers, J., & Sons

CACHOUS
Bleasdale & Co.
Carmichael, M. W.
Jackson, T.
Lloyd, T. H., & Co.
Raimes & Co. | Sen-Sen Co.
Warrick Bros.

CAMPHOR
Howards & Sons
May & Baker, Lim.

CSCRA SAGRADA
Anderson & Co.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Ferris & Co.
Galen Manufact'ing Co., Lim.
Harker, Stagg & Morgan
Parke, Davis & Co.

CAPSULES
Davies, Gibbins & Co.
Droege, Wm., & Co.
Duncan, Flockhart & Co.
Evans, Lescher & Webb
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Warrick Bros.

CARBOLIC ACID
Stevenson, H. E., & Co.

CRBNIC ACID GAS
Carbonic Acid Gas Co.

CASTOR OIL
United British Castor Oil Co., Lim.

CERESINE WAX
Boehm, Fredk.
Shearing, F., & Co.

CHALK, PRECIP.
Levermore, Aug., & Co.

CHEMICALS
Boehm, Fredk.
Boehringer, C. F., & Sohne
Boulton, J., & Co., Lim.
Brunner, Mond & Co., Lim.
Davy, Hill & Son, Yates & Hicks
Evans, Lescher & Webb
Evans, Sons & Co.
Farbenfabriken (Bayer & Co.)
Goodall, Backhouse & Co.
Howards & Sons (Pharm.)
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
May & Baker, Lim.
Norrenberg & Co.
Oppenheimer, Son & Co.
Poppelreuter, W.
Reitmeyer & Co.
Sanitas Co., Lim.
Scottish Acid & Alkali Co., Ld.
Shearing, F., & Co.
Smith, T. & H., & Co.
Stevenson, H. E., & Co.
Tyrer, T., & Co.
Washington Chemical Co.
White, A., & Sons
Zimmermann A. & M.

CHECK TILLS
O'Brien, T.
Stokes, G. R., & Co., Lim.

CHEST PROTCTRS
Liverpool Patent Lint Co.
Lynch & Co., Lim.
Maw, S., Son & Thompson
Newbery, F., & Sons
Schutze & Co.
Solport Bros.
Wood, Vincent

CHLOR. OF LIME
Government Sanitary Co.
Hebden, W. C.
National Chemical Co.
Steele, J. C., & Co,

CHLORODYNE
Davenport (Browne's)

CHLOROFORM
Duncan, Flockhart
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

COCAINE-HYDRO.
Howards & Sons

COCA WINE
Burrough, J.
Evans, Lescher & Webb
French Hygienic Society
Harker, Stagg & Morgan
Holloway, E. A.
Kemp & Son
Lorimer & Co.
Stephen Smith & Co., Lim. (Hall's)
White, S. B.
Wilcox & Co.

COCOA & CHOCOLT
Cadbury Bros.
Caffyn's Malto-Carni (Bovril Lim.)
Fry & Sons
Van Houten
Vi-Cocoa (Dr. Tibble's)

COLLAPSIBLE TUBES
Marshalls, Lim.
Moise, B. F., Lim.

COD-LIVER OIL
Allen & Hanburys
Burroughs, Wellcome & Ce.
Cuthbert, R.
Davies, Gibbins & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Freudenthill & Co.
Harker, Stagg & Morgan
Hill, A. S., & Son
Kemp & Son
Lofthouse & Saltmer
Lorimer & Co.
Moss, J., & Co
Morrison, R., & Co.
Oppenheimer, Son & Co., Lim.
Smith, T. & H., & Co.
Spratt's Patent (Dog Cakes)
Scott's Emulsion
Southall, Bros. & Barc ay
Stevenson, H. E., & Co.
Wright, Layman & Umney

COMP. MEDICINS
Allen & Hanburys
Burroughs, Wellcome & Co.
Davies, Gibbins & Co.
Hooper, B., & Co. | Leo & Co.
Lloyd, T. Howard, & Co.
Parke, Davis & Co.

CONCENT. LIQRS
Bais Bros., & Co.
Davies, Gibbins & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Oppenheimer, Son & Co.

CONFECTIONERY
Gibson & Sons
Gnest, T., & Co. | Hillaby, J.

CORKS
Ringrose & Cobb

CORN CURES
Beetham & Son
Gardner, C. | Potter & Clarke

COTTON WOOL
Robinson & Sons (Absorbent)

CRSHD LINSEED
Evans, Gadd & Co.
Mnmford, G. S.

CYDER
Symons, J., & Co., Lim.

DENTIFRICES, &c.
Beecham, T.
Bronnley, H., & Co.
Hovenden & Sons
Jewsbury & Brown
Stevens, P. A.
Sutton, O., & Co.
Woods, W. (Areca Nut)

DENTISTRY
Browning, A. J.
Fentiman, A. G
Fentiman & Co

"DIMATOS"
Sonthall Bros. & Barclay

DISINFECTANTS
Calvert, F. C., & Co.
Dussek Bros.
Fletcher Bros. & Co.
Formalin Hygienic Co., Lim.
Government Sanitary Co.
Granville, A., & Co.
Hebden, W. C. | "Izal"
Jeyes' Sanitary Compounds Co.
Kay Bros., Lim
Kühn, B. (Chinosol. Kresochine)
Mackey, Mackey & Co.
May & Baker, Lim.
National Chemical Co.
"Nestor" Sanitary Fluid Co.
Read, Holliday & Co.
Sanitas Co., Lim.
Steele, J. C., & Co.
Tnson's Disinfectants Co., Ld.
Tyrer, T., & Co.
United Alkali Co., Lim.

DOG MEDICINES
Lloyd, T. Howard
Spratt's Patent, Lim.

DRUGGISTS' SUN.
Ayrton & Saunders
Barclay & Sons, Lim.
Bentley, E., & Son
Bleasdale & Co., Lim.
Burge, Warren & Ridgley
Currie, Wm., & Co.
Dalley & Wilkinson
Cartwright, A. S.
Evans, Lescher & Webb
Evans, Sons & Co. (Savars)
Fordham, W. B., & Sons, Lim.
Hovenden & Sons
Kay Bros., Lim.
Marshalls, Lim.
Maw, S., Son & Thompson
May, Roberts & Co.
Moise, B. F., Lim.
Newbery, F., & Sons
Potter & Sacker
Quelch, H. C.
Sanger & Sons | Schutze & Co.
Sonthall Bros. & Barclay
Tidman & Son | Toogood, W.
Wood, Vincent

DRUGS
Allen, S., & Sons (Grinders)
Bleasdale & Co., Lim.
Davies, Gibbins & Co.
Dieterich, Eugen
Kuhn, B.
Lofthouse & Saltmer
Oppenheimer, Son & Co.
Phillips & Co. [(Grinders)
Poppelreuter, W.
Stevenson, H. E., & Co.
Wyley's, Lim.

DYES
Ayrton & Saunders
Maypole Soap Co., Lim.

EAU DE COLOGNE
Farina, J. M.
Greiner G. & Co.
Muhlens F. | Van Oppen & Co

ECZEMA
Cullwick's Specialitiee

ENGRAVERS
Corsan, J. R.

EMBROCATIONS
Bow's Liniment
Day & Sons
Elliman, Sons & Co.
Harvey & Co.
Tuson's Disinfectants Co., Ld.

ENEMAS
Evans, Sons & Co.
Currie, Wm., & Co.
Lynch & Co., Lim.
Sanger & Son | Wood, Vincent

ESSENCES
Boulton, J., & Co., Lim.
Bovril, Lim. (Beef)
Bratby & Hinchliffe, Lim.
Burgoyne, Burbidges & Co.
Bush, W. J., & Co.
Fletcher, Fletcher & Co.
Goodall, Backhouse & Co.
May & Baker, Lim.
Newball & Mason
Stevenson & Howell
Todd, A. M.
Tyrer, P. (Anchovies)
Woolley, Sons & Co.

ESSENTIAL OILS
Allen, S., & Sons
Blackwell, Hayes & Spilsbury
Boehm, Fredk.
Bush, W. J., & Co.
Evans, Sons & Co.
Frankenstein, S. M., & Co.
Jakson, J., & Co.
Jeancard, Gazan & Doumin
Lofthouse & Saltmer
May & Baker, Lim.
Poppelreuter, W.
Ransom, Wm., & Sons
Raynaud, Claude, & Co.
Sanitas Co., Lim.
Sozio & Andriolli
Spurway & Cie.
Stevenson, H. E., & Co.
Stevenson & Howell
Todd, A. M.
Tombarel Frères
Treatt, R. C. | Warrick Bros.
Wright, Layman & Umney

ETHER
Duncan, Flockhart & Co.
Howards & Sons
Macfarlan, J. F., & Co.
May & Baker, Lim.
Robbins, J., & Co.
Tyrer, T., & Co.
White, A., & Sons
Woolley, Sons & Co.
Wright, Layman & Umney

EUCALYPTUS OIL
Drysdale, J. W., & Co.
Sanitas Co., Lim.
Tasmanian Eucalyptus Oil Co.

EXTRACT MEAT
Armour & Co. | Brand & Co.
Liebig Co. | Liquor Carnis Co.

EXTRCTS, FLUID
Allen & Hanburys
Allen, G., & Co.
Bleasdale & Co., Lim
Burgoyne, Burbidges & Co
Davies, Gibbins & Co.
Evans, Sons & Co.
Fletcher, Fletcher & Co.
Hearon, Squire & Francis
Hooper, B., & Co.
Lloyd, T. Howard, & Co.
Moss & Co.
Parke, Davis & Co.
Potter & Clarke
Ransom, W., & Son
Wright, Layman & Umney

EXTRACTS, SOLID
Allen, G., & Co.
Ransom, W., & Son

FEEDG BOTTLES
Burroughs, Wellcome & Co. (Thermo Safe)
Evans, Sons & Co.
Gilbertson, H., & Sons
Hearn, Wright & Co.
Hovenden & Sons
Kilner Bros.
Lynch & Co Lim.
Marriott, E., & Co.
Maw, S., Son & Thompson
May, Roberts & Co.
Yonldon, E

FILTERS
Berkfield Filter Co., Lim.
Mawson Filter Co.

FLY CATCHERS
Alabastine Co. (British), Lim
Bleasdale, Lim.
Ford, Shapland & Co.
Marshalls, Lim.
Maw, S., Son & Thompson
Strong, Christy
Tunbridge & Wright
Tyrer, P.

FOOD (Infants' & Invalids')
Allen & Hanburys
Beanes & Co.
Benger's Food
Bovril, Lim. | Brand & Co.
Burgoyne, Burbidges & Co.
Goodall, Backhouse & Co.
Hawksley, T. (Sterilliser)
Horlick & Co.
Irving, Son & Jones
Kydde & Co.
Lazenby & Son, Lim.
Liebig Co. | Lorimer & Co.
Marshalls, Lim.
Marvine, Lim.
Mellin's Food | Nestlé, H.
Savory & Moore | Tyrer, P.
Vi-Cocoa (Dr. Tibbles)

GELATINES
Boehm, F.
Frankenstein, S. M., & Co.

GINGER ALE
Bratby & Hinchliffe, Lim.
Chemists' Aerated & Mineral Water Association, Lim.
Ellis & Son | Hay, W., Lim.
Mills, R. M., & Co.

GLUE
Brauer, A.
Frankenstein, S. M., & Co.

GLYCERINE
Boehm, F. | Fink & Co.
Price's Candle Co., Lim.

GRANULAR PREP.
Bishop, A., & Sons
Boulton, J., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Hearon, Squire & Francis
Lloyd, T. Howard & Co.
Lofthouse & Saltmer
Tyrer, T., & Co.
Wright, Layman & Umney

GUM
Fink & Co. (Arabic, &c.)

HAIR PREP.
Alexandre's Shadeine
Chesebrongh Co.
Edwards & Co.
Thiellay, E. H

HERB BEER EXTS.
Adams, B.
Newball & Mason
Potter & Clarke

HOMŒOPATHIC
Keene & Ashwell
Leath & Ross
Watson & Wates

HYPOPHOSPHTES
Duncan, Flockhart & Co.
Fellows
Fletcher, Fletcher & Co.
Tyrer, T., & Co.

INHALERS
Burroughs, Wellcome & Co.
Krohne & Sesemann
Lynch & Co., Lim.
Sanitas Co., Lim.

INSECTICIDES
Barclay & Sons, Lim.
Bleasdale, Lim.
Fleming's Oil & Chemical Co., Lim.
Jackson, T.
Rudkin's Moth Bricks
Sandford & Son
Sanitas Co., Lim.
Tunbridge & Wright

JELLOIDS
Warrick Bros.

KETCHUP
Tyrer, P.

LARD
Ewen, J., & Sons

LAVENDR WATR
Jakson, J., & Co.

LINT
Burgoyne, Burbidges & Co.
Christy, T., & Co.
Liverpool Lint Co.
Maw, S., Son & Thompson
Newsome, C.
Robinson & Sons

LIQUORICE
Evans, Sons & Co. (Savarini)
Frankenstein, S. M., & Co.
Hillaby, J.
Lorimer & Co.
"Solazzi"

LIQUORS
Blackwell, Hayes & Spilsbury
Davies, Gibbins & Co.
Fletcher, Fletcher & Co.
Lloyd, T. Howard, & Co.
Oppenheimer, Son & Co., Lim.
Stevenson, H. E., & Co.

LEECHES
Fitch & Nottingham

LOZENGES
Allen & Hanburys
Davies, Gibbins & Co.
Gibson, R., & Sons (Manfrs.)
Guest, T., & Co., Lim.
Kirby, H. & T., & Co., Lim.
Lorimer & Co.
Raimes & Co.
Warrick Bros.

LUNG PRESERVRS
Zimmer & Co.

MACHINERY
Bennett, Sons & Shears, Lim.
Gardner, W., & Sons
Melin, C. | Pindar, J. W.
Werner, Pfleiderer & Perkins, Lim.

MAGNESIA
Bleasdale, W., & Co.
Davies, Gibbins & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Henry, T. & W. (Calcined)
Lloyd, T. Howard, & Co.
Washington Chemical Co.

MALT EXTRCT, &c
Allen & Hanburys
Anderson & Co.
Blackwell, Hayes & Spilsbury
Burroughs, Wellcome & Co. (Kepler's)
Davies, Gibbins & Co.
Distillers' Co., Lim.
Evans, Gadd & Co.
English Diastasic Malt Extract Co., Lim.
Hearon, Squire & Francis
Lorimer & Co. | Moss, J., & Co.
Oppenheimer, Son & Co., Lim
Parke, Davis & Co.
Raimes & Co.
Raimes, Clark & Co.
Robinson & Co.

MARKING INKS
Bond (Daughter of the late John (Ink and Pencile)

MEDICINE CHSTS
Burroughs, Wellcome & Co.
Day, Son & Hewitt (Veterinary)
Day & Sons (Veterinary)

MENTHOL
Ayrton & Saunders
Evans, Lescher & Webb
Maw, S., Son & Thompson
Tyrer, P.

MERCURIALS
Howards & Sons
May & Baker, Lim.
Tyrer, T., & Co.

METH. SPIRTS, &c.
Boord & Son | Burrough, J.
Jones & Co. | Phillips, G., & Co.
Smith, S., & Co.
Warren, A. & J.

METHYLENE
Robbins, J., & Co.

MICROSCOPES
Darton, F., & Co.

MILK
Hawkesley, T. (Sterilised)
Horlick & Co.
Nestlé, H. (Condensed)

MORPHIA
Beynon & Co.
Macfarlan, J. F., & Co.
Smith, T. & H., & Co.

OILS, &c.
Anglo American Drug Co.
Calvert Bros. & Co.
Frankenstein, S. M., & Co. (Olive, Nut, & Cottonseed)
Hooper, B., & Co. (Sandal Wood)

OINTMENT BASES, &c.
Burroughs, Wellcome & Co. (Lanoline)
Chesebrough Co. (Vaseline)
Davies, Gibbins & Co.
Lloyd, T. Howard, & Co.
Stevenson, H. E., & Co.
Wilton & Co., Lim.

OPTICIANS
Botwright & Grey
Darton, F., & Co.
Raphael, J., & Co.

OXIDE OF ZINC
Hubbuck, T., & Son, Lim.
Stevenson, H. E., & Co.

PALATINOIDS
Oppenheimer, Son & Co., Lim

PASTILLES
Jackson, T.

PAT. MEDCNS, &c.
Anglo-American Drug Co., Ld.
Barclay & Sons, Lim.
Beecham, T. (Pills)
Bow's, Dr., Liniment
Clarke's Blood Mixture
"Daisy" Headache Powders
Edwards & Son
Evans, Lescher & Webb
Evans, Sons & Co.
Fenning (Powders)
Goodall, Backhouse & Co.
Gny's Tonic
Holloway (Pills and Oint.)
Hovenden & Sons
Lalor (Phosphodyne, &c.)
May, Roberts & Co.
Newbery, F., & Sons
Richards, J. M.
Roberts & Co.

PENS
Jewel Pen Co.

PEPSIN, &c.
Armour & Co.
Burroughs, Wellcome & Co.
Cerebos Limited (Pepsalia)
Kühn, B. (Papain Finkler)
Newbery, F., & Sons (Inglnvin)
Oppenheimer, Son & Co.
Parke, Davis & Co.
Stevenson, H. E., & Co.

PERFUMERY, FANCY SOAPS
Barclay & Sons, Lim.
Bleasdale & Co.
Blondeau & Cie. | Boehm, F.
Brager, L.
Bristow, T. F., & Co.
Burgoyne, Burbidges & Co.
Burroughs, Wellcome & Co.
Bush, W. & J., & Co.
Carmichael, M. W.
Chesebrough Co.
Cook, E., & Co.
Corbyn, Stacey & Co.
Evans, Gadd & Co.
Evans, Sons & Co.
Ewen, J., & Sons | Farina, J. M.
Frankenstein, S. M., & Co.
Hovenden & Sons
Lanoline
Lynch & Co., Lim.
Moise, B. F., Lim.
Mulhens, F.
Newbery, F., & Sons (Berdoes)
Pears, A. & F., Lim.
Price's Patent Candle Co.
Sainsbury, S.
Sanitas Co., Lim.
Schutze, F., & Co.
Sharp Bros. Soap & Perfumery Co., Lim.
Sinclair, Jas., & Son
Tidman & Son | Treatt, R. C.
Truefitt, H. P., Lim.
Van Oppen & Co.
Warrick Bros.
West, T. (Okell's Mona)
Woolley, Sons & Co. (Powder)
Wright, Layman & Umney

PEPPERMINT IL
Bush, W. J., & Co.
Jakson, J., & Co.
Ransom, W., & Son
Stevenson & Howell
Todd, A. M.

PEROX. OF HYD.
May & Baker, Lim.
Robbins & Ce.
Sanitas Co., Lim.
Tyrer, T., & Co.

PESSARIES
Rendell, W. J.

PETROLEMJELY
Allen & Hanburys
Christy, T., & Co.
Dee Oil Co., Lim.
Snowdon, Sons, & Co. (

PHARM. PREP
Allen & Hanburys
Armour & Co. | Bais
Barron, Harveys & Co.
Boehm, Fredk.
Boehringer, C. F., & Sol
Boulton, J., & Co., Lim.
Burgoyne, Burbidges &
Burroughs, Wellcome &
Davies, Gibbins & Co.
Dieterich, Engen
Duncan, Flockhart & C
Evans, Gadd & Co.
Evans, Lescher & Webb
Evans, Sons & Co.
Ferris & Co.
Fletcher, Fletcher & Co
Hearon, Squire & Fran
Hewlett & Son
Howards & Sons
Kühn, B.
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
Mackey, Mackey & Co.
May & Baker, Lim.
Moss, J., & Co.
Oppenheimer, Son & Co Lim.
Parke, Davis & Co.
Potter & Clarke
Richards, J. M.
Roberts & Co.
Smith, T. & H., & Co.
Squire & Sons
Stevenson, H. E., & Co.
Tyrer T., & Co.
White, Alfred, & Sons
Willows, Francis & Butl
Woolley, Sons & Co.
Wyleys Lim.
Zimmermann, A. & M.

PHOTOGRAPHIC X RAY, &c.
Barclay & Sons, Lim.
Boehm, Fredk.
Botwright & Grey
Burroughs, Wellcome &
Butcher, W., & Son
Cox, H. W.
Darton, F., & Co.
Evans, Sons & Co.
Howards & Sons (Chemb
Lockyer, J. E.
Mackey, Mackey & Co.
Maxwell, Bayes & Co.
Raphael, J., & Co.
Reynolds & Branson
Ross, Lim.
Thornton-Pickard Co.
Tyrer, T., & Co.
White, Alfred, & Sons
Woolley, J., Sons & Co.
Zimmermann, A. & M.

PILL MACHINI
Bennett, Sons & Shears
Pindar, J. W.
Toogood, W. (Coater)

PILLS, Coated, &
Allen & Hanburys
Beecham, Thomas
Bleasdale & Co., Lim.
Box, W. H.
Cox, Arthur H., & Co.
Davies, Gibbins & Co.
Duncan, Flockhart & Co.
Evans, Gadd & Co.
Hearon, Squire & Franci
Hill, A. S., & Son | Holle
Kirby, H. & T., & Co., Lim
Lloyd, T. Howard, & Co.
McKeesson & Robbins
Parke, Davis & Co.
Ray's Medicine Co.
Scottish Sugar-coated Pil
Scott's, Dr.
Wand, S. (Pearl Coated)
Warner, W. B., & Co. (Cos
Wyleys, Lim.

PLASTERS
De St. Dalmas, A.
Evans, Sons & Co.
Seabury & Johnson
Soiport Bros. (Court)

POLISHING
Bradley & Benrdas (Albat
Diamond Emery Co.
Fordham, W. B., & Sons, L

PORCELAIN GD
Toogood (E.c. Pots, regist.

POULTRY FOOD
Spratt's Patent, Lim.

PRINTING
Bowers Bros.
Corsan, J. R. (Glass)
Ford, Shapland & Co.
Harrison & Waide
Silverlock, H.
Townsend, J.

QUININE SALT
Boehringer, C. F., & Sohne
Howards & Sons
Smith, S., & Co. (Wine)
Zimmermann, A. & M.

NNET
Blondeau, Flockhart & Co.
Bremer & Co.
Fuller & Co.
Tomlinson & Hayward

BBER GOODS
Bell & Barstow

LICIN
Macfarlan & Co.
Robb, T. & H., & Co.

LICYLIC ACID
Boyne, Burbidges & Co.
Zimmermann, A. & M.

ICES, PICKLES
Giall, Backhouse & Co.
Bell, S., Son & Thompson
Tor, P.

OOLS, &c.
Coral (Edinburgh)
Cookery School (Skerry's)
Dale, F.
Dees, A. H.
Glasgow School of Pharmacy
Glasgow University
Liverpool School
Manchester Col. of Pharmacy
Metropolitan Col. of Pharmacy
North of England School
Northern College of Pharmacy
Owens College (Med. Dept.)
Owens College (Pharm. Dept.
Royal Dispensary (Edinburgh)
Salary's Hospital
Scottish College of Pharmacy
South London School of Pharmacy, Lim.
Westminster College

CIENTIFIC NSTRUMENTS
Dixon & Co.

I. SALT
Thean & Son, Lim.

IDS
Bell, Parker & Co.
Parker & Clarke
Spratt's Patent, Lim. (Bird)

IDLITZ PWDRS
Davies, Gibbins & Co.
Hill & Co. | May, Roberts & Co.

ITZOGENES
Boyle & Hinchliffe, Lim.
May Roberts & Co.

UM
Griff, R. W., & Co.

EVING
Hunden & Sons (Euxesis)
Lloyd, A., & Co. (A. S. Lloyd's Euxesis)

SHEEP DIP
Fletcher Bros & Co.
Harescough & Co.
Jeyes' Sanitary Compounds Co.
Kühn, B. (Kresochine
Sanitas Co., Lim.

SHOP FITTERS
Bowling & Govler
Bygrave, J. & W.
Evans, Sons & Co.
Josephs, C., & Co.
Josephs, Philip
Treble, G., & Son
Yates, W. S.

SOAP
Ayrton & Saunders
Blondeau et Cie. (Vinolia)
Bronnley, H., & Co.
Cook, E., & Co.
Crosfield, J., & Sons, Lim.
Frankenstein, S. M., & Co.
Gibbs, D. & W. (Medicated)
Huggin's Soap Works, Lim
Jameson, W. (Arsenical)
Jeyes' Sanitary Compounds Co.
Mackenzie's, Dr. (Arsenical)
Maypole Soap Co., Lim.
Muhlens, F.
Pears, A. & F., Lim.
Richards, J. M.
Sanitas Co., Lim.
Sharp Bros. Soap, &c., Co., Ld.
Sinclair, J., & Son
Tidman & Son
Wright, Layman & Umney

SPECTACLES
Botwright & Grey
Darton, F., & Co.
Raphael, J., & Co

SPONGES
Cohen, I. & M.
Cresswell Bros. & Schmitz
Peterson, M., & Co.

STARCH
Critchley (Gloss)
Hebden, W. C.

STEEL BARRELS
Iron and Steel Plant Co., Lim.

STOPPERS
Austin & Co. (Sprinklers)
Barnett & Foster | Melin, C.
Patent Stopper, Box, and Stamping Co., Lim.
Stipendum Stopper Co., Lim.

STOVES
Clark, S., & Co., Lim

SUGAR
Glebe Sugar Refining Co.
Macfie & Sons

SUGAR OF MILK
Boehm, Fredk.

SURGICAL
Accrington Surgical Appliance Co.
Ayrton & Saunders
Bailey, W. H., & Son
Barclay & Sons Lim.
Burge, Warren & Ridgley
Burgoyne, Burbidges & Co.
Eschmann Bros. & Walsh
Ferris & Co.
Galen Manufact'g Co., Lim.
Haywood, J. H.
Ickringill's Hygienic Cloth Syndicate, Lim.
Krohne & Sesemann
Liverpool Patent Lint Co.
Lynch & Co., Lim.
Macfarlan, J. F., & Co.
Manson, R.
Matto, Lim.
Maw, S., Son & Thompson
Oppenheimer, Son & Co.
Powell & Barstow
Quelch, H. C.
Robinson & Sons
Sanitas Co., Lim.
Schnitze, F., & Co.
Wood, Vincent
Woodruff, T.

SYPHONS
Barnett & Foster
Bratby & Hinchliffe, Lim.
Chemists' Aerated and Mineral Waters Association, Lim.
Gerault, E., & Co.
Idris & Co., Lim.
Kilner Bros. | Melin, C.

SYRUPS
Beckett, W., Sons & Co.
Fletcher, Fletcher & Co. (Liquors)
Stevenson & Howell
Volcanic Aeration Co.

TABLETS
Corsan, J. R. (Advertising)
Davies, Gibbins & Co.

TEA
Tower Tea, Lim.

TEETHING PADS
Cartwright, A. S.
Marriott, E., & Co.

TINCTURES
Blackwell, Hayes & Spilsbury
Davies, Gibbins & Co.
Evans, Sons & Co.
Hewlett, C. J., & Son
Lloyd, T. Howard, & Co.
Moss, John, & Co.
Parke, Davis & Co.
Wyleys, Lim.

THERMOMETERS
Ayrton & Saunders
Bailey, W. H., & Son
Darton, F., & Co.

TOBACCO & CIGRS
Albert Levy & Thomas
Singleton & Cole, Lim.

TOILET
Addis, R., & Son
Ayrton & Saunders
Beetham & Son [(Lanoline)
Burroughs, Wellcome & Co.
Crosfield, J., & Sons, Lim.
Dee Oil Co., Lim.
Hovenden & Sons
Lynch & Co., Lim.
Malcolm & Co.
Maw, S., Son & Thompson
Moise, B. F., Lim. [Lim.
Peacock's Ovaline Soap Co.
Quelch, H. C.
Sanitas Co., Lim. [Co., Lim.
Sharp Bros. Soap & Perfumery
Southall Bros. & Barclay
Squire & Sons
Tidman & Son, Lim.
Townsend, J. (Paper)

TOOTH PASTE
Beecham, T.
Jewsbury & Brown
Maw, S., Son & Thompson
Parke, Davis & Co.
Sutton, O., & Co.
Woods, M. (Areca)

TRUCKS
Rothschild & Baker

VACCINATION
Maw, S., Son & Thompson
Vaccine Association (Lymph)

VALUERS AND TRNSFR AGNTS
Berdoe & Co. | Brett, F. J.
Crocker, G. B., & Co.
Ferguson & Osborne
Orridge & Co.
Tomlinson, Thos., & Son

VASELINE
Chesebrough Co.

VETERINARY
Bird & Storey
Day & Sons
Day, Son & Hewlitt
Ellman, Sons & Co.
Harvey & Co. | Leng, A., & Co
Lloyd, T. Howard, & Co.
Rookledge, F. E.
Sanitas Co., Ld | Spratt's (Dogs)
Walker, Troke & Co.

VINEGAR
Grimble & Co.

VINOLIA Superfatt'd
Blondeau et Cie.

WEED KILLER
Acme Chemical Co., Lim
Fletcher Bros. & Co.
Sanitas Co., Lim.
Tomlinson & Hayward

WHOLSLE & EXPT DRUGGISTS
Allen & Hanburys
Allen, S., & Son | Balss Bros.
Barron, Harveys & Co.
Bleasdale & Co., Lim.
Brook, Parker & Co. (Botanic)
Burgoyne, Burbidges & Co.
Bush, W. J., & Co.
Corbyn, Stacey & Co
Davies, Gibbins & Co.
Davy, Hill & Son, Yates & Hicks
Evans, Gadd & Co.
Evans, Sons & Co.
Evans, Lescher & Webb
Ferris & Co. | Graf, F.
Goodall Backhouse & Co.
Harker, Stagg & Morgan
Hearon, Squire & Francis
Hewlett & Son
Kemp, Wm., & Son
Lloyd, T. Howard, & Co.
Lofthouse & Saltmer
Macfarlan, J. F., & Co.
Potter & Clark
Raimes & Co.
Raimes, Clark & Co.
Smith, B. A., & Co.
Stevenson, H. E., & Co.
Taylor & Colledge
Willows, Francis & Butler
Woolley, Jas., Sons & Co.
Wright, Layman & Umney
Wyleys, Lim.

WINES, SPIRITS, BEER, &c.
Burgoyne, P. B., & Co.
Burroughs, J.
Coleman & Co., Lim.
French Hygienic Socy. (Coca)
Goodall, Backhouse & Co.
Holloway, E. A.
Millar, A., & Co. (Orange)
Phillips, G., & Co. | Robinson, B
Smith, S., & Co., Lim. (Orange)
Stevenson, H. E., & Co
Symons, J., & Co., Lim.
Warren, A. & J.
Whitbread & Co.
Wilcox & Co
Wright, Layman & Umney.
Wyleys, Ltd.

STILL IN FRONT.

UNIFORMLY SUCCESSFUL RESULTS.

12/6 IN YOUR POCKET FOR EACH ONE SOLD.

PHOTO REQUISITES OF ALL KINDS,

DRUGGISTS' SUNDRIES, &c.

BARCLAY & SONS, LIMITED, 95 Farringdon St., LONDON.

Diploma of Honour
Madrid, 1890

Capetown, 1878.

London, 1878

Amsterdam, 1883.

International Health, 1884.

Brussels, 1889.

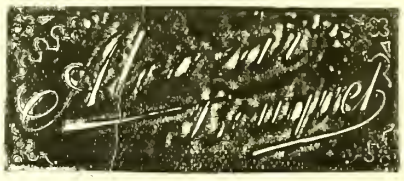
Madrid 1890

Tunis 1891

Diploma of Honour
Brussels, 1890.

JAMES SINCLAIR & SON,

SOUTHWARK, LONDON.



A DELIGHTFULLY PERFUMED SOAP

Made of selected materials. Superfatted and non-alkaline. In high repute among the Nobility and Aristocracy in England and the Colonies.

In Boxes of Three Tablets, per doz. boxes 1/-.

VELOURS or VELVET SOAP.

Balsamic and Musk Odour; elegantly wrapped; Purest Soap; in Boxes of three Tablets, per doz. boxes 9/-.

TREBLE-MILLED Toilet Soap.

In Varieties—Windsor, Rose, Almond, Glycerine and Cucumber, Elder-flower, Violet, Heliotrope, Cold Cream, Opoponax, Honey, Cold Cream and Honey, in boxes of three tablets, per doz. 6/-.
In boxes of 12 tablets . . . . . 22/-.

MEDICATED SOAPS.

Coal Tar, Carbolic, Camphor, Camphor and Carbolic, Juniper Tar and Borax Soap, in boxes of 3 tablets, per doz. boxes, 6/.

Special Brands from Special Formulas prepared with greatest care.

TOILET SOAPS IN VARIOUS SHAPED TABLETS.

FLORAL, HONEY, ROSE, WINDSOR, ALMOND, GLYCERINE, LAVENDER, &c., &c.

Tablets, 4, 6, or 6 to the pound, in 7-lb. and 14-lb. boxes, per cwt. **44/-.**
ditto, cheaper, less perfume - - „ „ **38/-.**

TRANSPARENT SOAPS.

Orange, Lemon, or Cedar, oval tablets, per gross 10/
do. do., smaller size, do. 8/

SPECIAL SOAPS FOR EXPORT TRADE FROM 28/-

PETROLEUM JELLY, pure white, in tins about 8 lbs., 56/- per cwt; 28 lbs., 50/- per cwt.; in barrels about 4 cwt., 46/- per cwt. Ditto, Yellow, tins 3[illegible]- per cwt.; 28 lbs., 28/- per cwt.; in barrels about 4 cwt., 24/- per cwt.

We will spare no effort to secure Business. A Trial Solicited.

UNRIVALLED 'OVALINE' UNRIVALLED

UNDER THE P.A.T.A.

THE ONLY SOAP CONTAINING YOLK of EGG.

Advertised Price—				Advertised Price—
4. per Tablet.	A Profit of	33%	A Profit of	1s. per Box.
6. ,,				1s. 6d. ,,
8. ,,				2s. ,,

NOW READY! A fine Portrait of Her Majesty the Queen, printed in 15 colours, will be forwarded, carriage paid, on application to

PACOCK'S OVALINE SOAP CO., LTD., 145 QUEEN VICTORIA STREET, E.C.

Telegraphic Address—"OVORUM LONDON."

Look to your Stock

OF

MAYPOLE SOAP.

The Demand is Phenomenal!

CARMICHAEL'S GENUINE AMERICAN

MANICURE PREPARATIONS

FULL 6d. LINE of the original American Manicure preparations at - per gross.

OLET AMULETS at 48/- per gross.

"UXURIA" Bath Tablets, 14/- per dozen boxes (of 12 each). Softens and perfumes the water, exhilarates the circulation, and renders the bath refreshing.

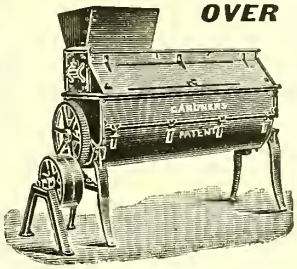
CHOU DE LUXE. 18/- gross of 3d. packets. Perfumes the breath do not upset digestion.

The last two appear on cardboard, as seen in black and white sketch in Summer Issue, forming a superb and attractive showcard in 16 colours. Given away with a purchase of a dozen boxes of Bath Tablets or ½ gross Cachou de Luxe. [2]

FROM ALL WHOLESALE AND EXPORTING HOUSES

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS



OVER 750 are now working in Almost Every Trade where DRY POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation.

FOR HAND OR POWER.

From 50s to £90.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER.

Henry Tetlow's "Ninety Day" Special Ofer

ON

"SWAN DOWN" and "GOSSAMER."

(TO THE EUROPEAN TRADE ONLY.)

OFFER IS AS FOLLOWS:—

To every Retail Druggist purchasing at one time and for immediate shipment Seven (7) Dozen of **HENRY TETLOW'S** goods, comprised of the following assortment of Powders, namely:—"Swan Down," "Gossamer," and "Sachets," amounting to £1 12*s.* 9*d.*, **WE WILL GIVE** the "Outfit" as stated below. All orders should be sent to our European Agent, Mr. H. C. Quelch, No. 4 Ludgate Square, London, **positively** stating the name of Wholesale House you wish your order placed with, who in turn will fill same.

ORDERS SHOULD READ:—

Please place my order, as per your "Special Offer" in this week's issue of The Chemist and Druggist, through Messrs....., of our City, to be shipped with my next order to them. Assort goods as follows:—

3 Dozen Henry Tetlow's Swan Down Powder...	@ 3/9 doz.	
2 ,, ,, ,, Gossamer Powder	@ 7/3 ,,	
2 ,, ,, ,, Sachets Assorted	@ 3/6 ,,	
(Violet, Lilac, White Rose, Heliotrope).		

"SPECIAL OFFER."

ONE DOZEN Henry Tetlow's Swan Down Powder **FREE.**

ONE HANDSOME PICTURE. Your choice of two subjects namely—"The American Girl," and "The Daughter of Herodias." These works of Art, are the Masterpieces of the World's Most Famous Artists, Mons. Champney and Mons. Constant, and are accurate reproductions of the originals, which recently took the "Prize" at the New York Art Exhibition. The pictures, size 20 by 24, are mounted in Solid Gilt mats, and are without doubt par-excellence to anything in the line of Show Cards that has ever been offered to the Trade.

TWO DOZEN Picture Forms, size 6 by 9, of a series of four floral designs, namely:—"Lilac," "Marguerites and Roses," "Pansies," and "Fleur-de-Lis" after the celebrated Mons. Henri Le Roy, whose fame as the most effective and skilful portrayer of flowers needs no mention. These cabinets are mounted with Gilt edges, advertisement appearing on the back of card *only*.

ONE HUNDRED Combination Novelty Cards. (Fac-simile of the Gossamer box), which upon raising the lid, displays a beautiful picture, with a free sample of Gossamer powder enclosed.

ALSO One Large Gossamer Pictorial Banner.

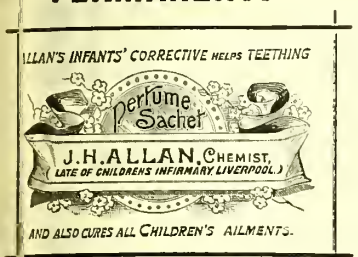
The entire "Offer" as named above, will be shipped to every Retail Druggist purchasing (7) Dozen or more of HENRY TETLOW'S goods.

EUROPEAN AGENCY AND DEPOT FOR HENRY TETLOW OF PHILADELPHIA, U.S.A.,

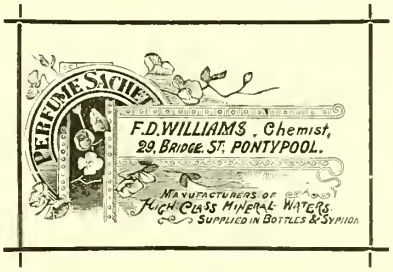
H. C. QUELCH, No. 4 Ludgate Square, LONDON, E.C.

ADVERTISING SACHETS.

PERMANENT. DELICIOUS. ATTRACTIVE.



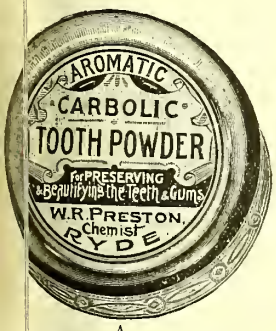
Chemists' own matter on in any language. Price, 250 for £1 12s.; 500 for £2 15s.; 1,000 for £5; 5,000 for £16. Minimum quantity printed 250.



Sample set sent post free to any part of the United Kingdom for 6 stamps; to any part of the world 12 stamps.

CARBOLIC TOOTH POWDER.

WHY sell Proprietary Tooth Powders at a nominal profit when you can build up a solid business for yourself by introducing *your own*, thus not only getting a bigger profit, but retaining your own connection?

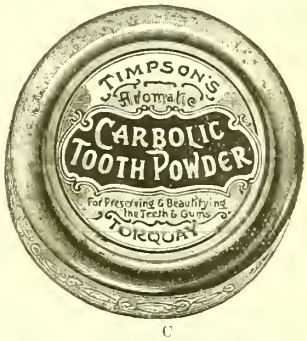


A

Handsome Litho Labels worked up in Colours specially designed for ourselves.

B

The same design not supplied to two Chemists in any one town.



C

The above Tooth Powder is prepared with neutral non-gritty materials, and, by a peculiar process, the Carbolic Acid is free, thus acting not only as a perfect Dentifrice, but also as an Antiseptic and Breath Purifier.

Prices:—6d. Size, 3/- per dozen; 6-dozen lots, 2/9 per dozen; 12-dozen lots, 2/6 per dozen.
1/- Size, 5/6 per dozen; 6-dozen lots, 5/- per dozen; 12-dozen lots, 4/6 per dozen.

Chemists' own names and addresses free on orders *equivalent* to 12 doz. 6*d.*, which orders can be made up of either 6*d.* or 1*s.*, in either A, B, or C designs, but only one design can be used for each order.

When ordering state whether A, B, or C design is required.

A complete set of the 6*d.* size sent post free to any part of the United Kingdom for 12 stamps, or to any part of the world for 30 stamps.

AYRTON & SAUNDERS, *Manufacturing Perfumers,* LIVERPOOL.

CAUTION.

A. S. LLOYD'S EUXESIS,

FOR

SHAVING WITHOUT SOAP, WATER, OR BRUSH.

R. HOVENDEN & SONS having purchased under an administration suit the business of the late A. S. LLOYD, with the receipt, trade-mark, and goodwill of the celebrated Euxesis, the trade are cautioned that the original and genuine Euxesis is now manufactured at our Factory ONLY, and may be obtained at either of our Warehouses.

The label is printed with Black Ink only on a yellow ground, with our Trade Mark at the bottom.

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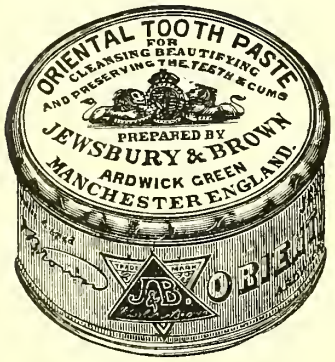
30, 31, 32 & 33 BERNERS ST., W.; & 87, 91, 93 & 95 CITY ROAD, E.C., LONDON.



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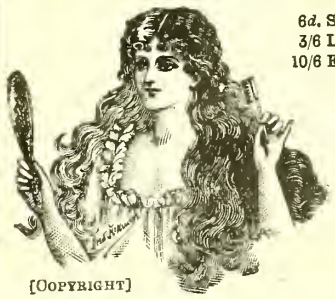

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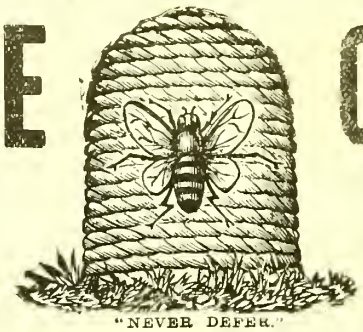

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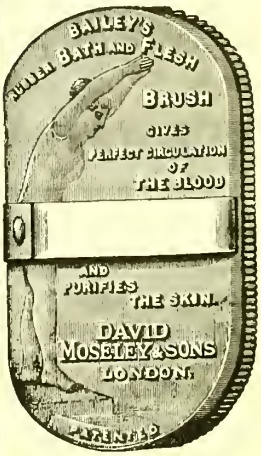

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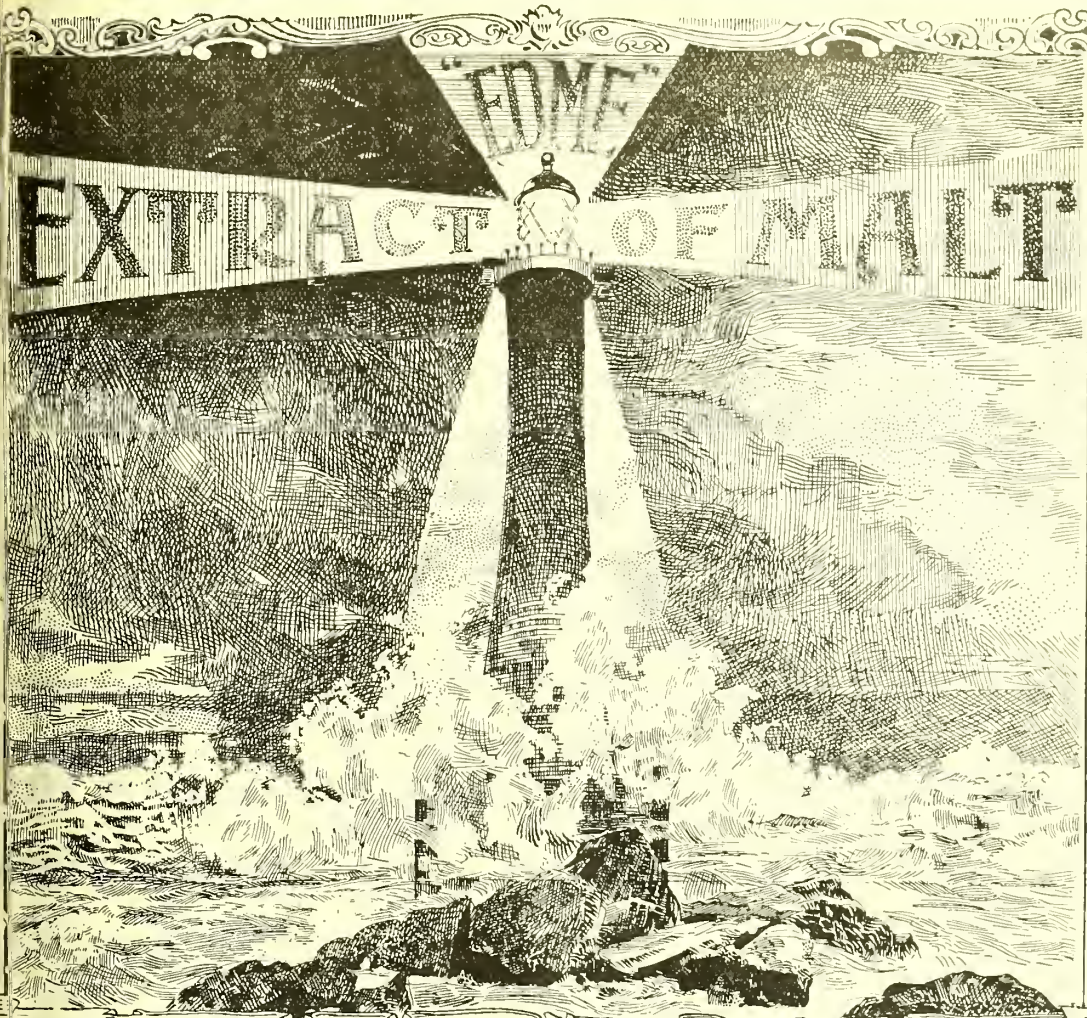

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Australian Trade

Eighteen months ago the Colony of New South Wales adopted Free Trade, and during the past year the result has been a considerable increase in the imports of the country. That, however, appears to be due rather to the general improvement in Australian trade than to the abolition of duties, for the same movement is apparent in the neighbouring Colony of Victoria, which is very protectionist, and in South Australia, which has a moderately high tariff. This is shown by the following figures relating to the imports of merchandise only:—

	1895	1896	Increase
	£	£	
Imports into N. S. Wales	14,000,000	18,000,000	per cent. 29·9
Imports into Victoria	11,000,000	13,000,000	„ 18·2
Imports into S. Australia	5,300,000	6,800,000	„ 26·3

SUMMARY

A Case of Sulphonal-poisoning is recorded on p. 316.

The British Dental Association has met in Dublin this week (p. 318).

The position of the inter-drug-trade cricket season is tabulated on p. 317.

Sir John Evans's address to the British Association was archæological (p. 332).

The dangers of making copal varnish are exemplified in a fatality reported on p. 317.

A West-end Coroner seems to object to doses being put on chemists' labels (p. 316).

A Refreshing piece of French admiration of the Briton is commented upon (p. 334).

Interesting Particulars regarding the commerce of rhubarb are given on pp. 333–4.

That "Royal" Baking-powder Dispute still gives Irish lawyers work to do (p. 318).

The German *Apotheker Verein* is advocating a reform of the pharmacy licensing law (p. 319).

Mr. Glyn Jones declines to argue with anonymous black-list men who defy him (p. 352).

A man who says he has the "secret" of Yorkshire relish has been restrained by the High Court (p. 330).

The Paris Customs authorities have failed to make Scott's emulsion pay duty on entering the City (p. 318).

The Canadian P.A.T.A. Objects seem more comprehensive than those of the original P.A.T.A. (p. 319).

The names of those who have passed the Institute of Chemistry examinations this month are given on p. 316.

Our echoes of the Glasgow Conference include several pen-and-ink sketches and the group taken at Arrochar (p. 348).

Hampstead Guardians think 40*l.* a year with board and lodging good enough for a doctor, but the L.G.B. objects (p. 316).

The twenty-fourth of the late Mr. S. M. Burroughs's estate is now to be distributed amongst his employés (p. 317).

Carbolic-acid Fatalities are increasing so much that coroners again urge the necessity for scheduling (p. 335).

The Inspector-General in Bankruptcy states, in his annual report, that limited liability is sometimes used as a cloak for insolvency (p. 335).

The importance of the reserved sample of a purchase bought for Sale of Food and Drugs Act purposes is emphasised in a case reported on p. 331.

There is not anything strikingly novel in the Chemists' Exhibition, which has been held in London this week, as may be gathered from our report beginning p. 336.

The rush for pharmaceutical registration in Jersey has been astonishing. A portrait of Dr. Duret Aubin, the author of the new act, is printed along with our notes on the subject (p. 320).

Pharmacists have been having a good and international time in Brussels this week. The papers were numerous and voluminous, the discussions diverting and lively, and the fetes better than all. Our report includes numerous portraits (p. 320).

The Drug and Chemical Markets are very quiet, and present rather fewer changes this week than usual. Drug-auctions were held on Thursday, after an interval of four weeks. They were extremely heavy—twenty catalogues—and lasted until 4 P.M. The proportion of goods sold was unusually small. In heavy chemicals the market is steady (p. 343).

Conducted by Richard J. Moss, F.C.S., F.I.C.

Qualitative Analysis.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture.

On this occasion students will be allowed a longer time than usual for the analysis, and the supply of the mixed salts will be sufficient for a repetition of the work, so that every opportunity will be afforded for an exhaustive examination of the mixture.

Students' applications for portions of the mixture of salts (accompanied by *a stamped and addressed envelope*, not a stamp merely) will be received up to Wednesday, September 1, and the samples will be forwarded immediately.

Students' reports will be received up to Saturday, September 25. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

The report of the last analysis, together with the result of the half-year's tournament, will be given in our next issue.

Local newspapers containing market items of news interesting to the trade are always welcomed by the Editor.

Sulphonal-poisoning.

Mr. Wynne E. Baxter concluded an inquest on August 11, at the Mile End Vestry Hall, concerning the death of Adelaide Wertheimer (44), schoolmistress, late of 11 Nicholas Street, Mile End. The evidence showed that she had been a great sufferer from rheumatism. On the morning of August 4 she was found unconscious in bed. Dr. Lewis St. John Reilly stated that he ascertained that the deceased had been attending a hospital, and on his going there he found that she had been supplied with sulphonal-powders in order to give her rest. She had probably accumulated the powders, and then taken them in one large dose. He was satisfied that death was due to sulphonal-poisoning. The powders contained 15 gr., and three or four powders would have been sufficient to destroy life. The jury returned a verdict of suicide while of unsound mind.

"Cabby Knows His Fare."

At Norwich Guildhall Police Court on August 12, Walter Woodcock, described as a chemist, of Colegate, was summoned for refusing to pay a cab-fare of 3*s.* 6*d.* to Samuel Henry Russell, cab-proprietor, Norwich, on August 2. The complainant said the defendant called and asked him the price of a carriage to Catton Park for three persons. He made no arrangement with the defendant as he was [illegible] but told him the fare would be 2*s.* Witness gave hi[illegible] permission to hire one of his cabs off the rank if he cou[illegible] find one, and eventually the defendant did so. The cabm[illegible] was one hour and a quarter in completing the order, as he [illegible] to wait at defendant's house, for which 6*d.* was ch[illegible]ged, another shilling being charged for a fourth person, [illegible]total 3*s.* 6*d.* The defence was that an arrangement was [illegible]ade whereby defendant should have paid 2*s.*, and that the [illegible]elay was caused by a procession. Judgment was given [illegible] 3[illegible], without costs.

Shop-hours in London.

The annual report of the working of the Shop Hour[illegible]cts in the county of London states that formerly the insp[illegible]ors usually confined their visits to those places of which [illegible]m-plaint had been made, but last year the restricted oper[illegible]ions were abandoned, and 4,373 inspections made. The i[illegible]pec-tors discovered 888 infringements, and as a result issu[illegible] 614 cautions and 71 summonses, one of the latter being a [illegible]inst a chemist and druggist.

Parsimonious Guardians.

At a meeting of the Hampstead Guardians on Fri[illegible], a letter was read from the Local Government Board reg[illegible]ing the appointment of a resident medical officer at the [illegible]rk-house infirmary, at a salary of 40*l.* per annum, with [illegible]ard and apartments. The Local Government Board now [illegible]ted that the remuneration was inadequate, and considere[illegible] that it should be 60*l.*, or, if he had to do dispensing, 80[illegible] per annum. The consideration of the letter was postponed.

Dosage on Labels.

Mr. Samuel Ainsworth Sturton, pharmaceutical ch[illegible]ist Goldhawk Road, W., was the principal witness at an in[illegible]est held by Mr. C. Luxmoore Drew, at Hammersmit[illegible] on August 14, respecting the death of Hugh Henry [illegible]nd (49), a carpenter, late of 3 Richford Street, Hammers[illegible]th. Deceased, who had suffered from bronchitis and l[illegible] of speech, was found dead in bed with a laudanum bottl[illegible] and glass at his side. Mr. Sturton said he remembered s[illegible]ing 3*d.* worth of laudanum to a man, August 11. Witness w[illegible]ed him that it was a poison, and labelled the bottle, acc[illegible]ing to the requirements of the second schedule of the Pha[illegible]cy Act. He identified the bottle produced. The label [illegible]ad, "Laudanum—Poison if taken in an improper qua[illegible]ty Dose: for an adult 7 to 20 drops. Sturton & Sturton, [illegible]ar-maceutical chemists by examination, 9 Goldhawk Roa[illegible] W." The Coroner asked witness if it was not rather a dang[illegible]ous thing to state a certain amount to be taken. If the ma[illegible] had been suffering from kidney-disease 20 drops would most [illegible]ly prove fatal. Witness admitted that was so, but h[illegible] had carried out the requirements of the Act. Asked how [illegible]ch he sold in the bottle, the witness said 6 dr. Dr. [illegible]th, in reply to the Coroner, said that 2½ dr. had been k[illegible]wn to prove fatal. Death was due to slow asphyxia [illegible]m laudanum-poisoning. There being no evidence to [illegible]ow under what circumstances the deceased took the poiso[illegible] the jury returned an open verdict.

Fatal Accident.

On Friday of last week at Baxenden, near Accringto[illegible] five men engaged in the erection of extensive chemical-wor[illegible] for the Nichol Chemical Company were precipitated a di[illegible]ce of 50 feet by the fall of scaffolding at the third storey. [illegible] two of them were killed instantaneously, and two others [illegible]re severely injured, one being removed to the infirmary. [illegible]n-other, a bricksetter, was thrown on to the slates [illegible]an adjoining building some distance below and escaped w[illegible] a severe shaking.

Institute of Chemistry.

The following candidates passed the recent pra[illegible]al examination for the associateship of the Institute:—J[illegible]es Bruce, B.Sc., London; Harry Burrows, London; R[illegible]ert G. Grimwood, London; Robert F. Lyle, Glasgow; Robe[illegible] C. Styles, Assoc. R.C.Sc., London; and Arthur Lee W[illegible]te, Yorkshire College, Leeds. Intermediate examination [illegible]w regulations): William Bowen, Mason College, Birmingh[illegible]n; Harry T. Calvert, B.Sc. (Vic.), Yorkshire College, L[illegible]; Alexander H. Dewar, Glasgow and West of Scotland Tech[illegible]al College; Albert L. Entwistle, Owens College, Manche[illegible]er,

egistered student under Mr. T. J. Hutchinson; F. J. C. m; and W. J. Warren, Mason College, Birmingham. examination for the associateship (new regulations) ral inorganic chemistry): Reginald Arthur Berry, ridge University; James Hembrough, Assoc. R.C.Sc., on), Bristol; Robert D. Littlefield, London; Charles A. Assoc. R.C.Sc. (London), London; (the chemistry of s and alloys), Frederick J. Bolt, London; John A. , Portsmouth Dockyard; Albert E. Parkes, Mason e, Birmingham; (organic chemistry), James D. Granger, l (Berlin), Nottingham; Gilbert T. Morgan, B.Sc. on), London; John H. Sugden, B.Sc. (Vic.), Yorkshire lle, Leeds; (the chemistry of water, food, and drugs), ic W. Richardson, analyst to the borough of Bradford.

Early Closing.

onjunction with the other shopkeepers of the district emists of Wimbledon have agreed to close at 8 P.M. s months, commencing on September 1.

Dispensing Accident.

On riday last week, while Dr. Westbrook, Retford, was in the stopper out of a liquid-ammonia bottle in his pe ary, an explosion occurred. The ammonia was forced er head and face, burning his eyes and mouth in a ock g manner. It is hoped that Dr. Westbrook will not m ently lose his eyesight.

Dangers of Varnish-making.

An quest was held at Bristol on Thursday, August 12, ar g the death of George Lacey, stillman, who died m uries received in a fire at Messrs. W. Butler & Son's an esin distillery, Crew's Hole, St. George, Bristol. The ide of Abraham Iles showed that on July 31 deceased d h ere mixing varnish. After the resin had been boiled d c ed deceased poured benzoline from a bucket into e re , and witness stirred it. After they had poured on out cwt. of benzoline there was a sudden explosion, and flam shot up right through the shed. There was no ntila n in the roof, but some panes of glass were broken. ey r hed out as quickly as possible, and were removed the irmary. Mr. Maitland, H.M. Inspector of Factories, id h ad visited the shed, and he thought it desirable to ve v ilators in the roof. From what he had heard he was opin n that if there had been ventilators the vapour from e be pline would not have accumulated, and probably the plosi would not have occurred. A verdict of accidental ath v s returned.

Cricket.

"Ald gate" (S. Maw, Son & Thompson) played "Briton" Barron Harveys & Co.) at Denmark Hill last Saturday, the rmer nning by 108. The scores were "Aldersgate" 170 M. T. w (64) and A. H. Masters (32) were the best), and Briton 62 (Roe scored 29).

Last aturday Burgoyne Burbidges' C.C. played their eturn tch with the Heron C.C. (Hearon, Squire & Francis) n the ter's ground at Brockley, Burgoynes' proving vic- rious 82 runs with 4 wickets to fall, the scores being eron C. 69, Burgoynes' 151 for the loss of 6 wickets. . R. M n and F. D. Barker were chief scorers with 65 nd 35 t out) respectively.

Our c mpionship table of the inter-drug-club matches ow sta s as below:—

	Won	Lost
Bu oyne Burbidges	6	2
Ba n Harveys	2	3
He n (Hearon, Squire & Francis) ...	1	3
Bu ughs, Wellcome & Co.	0	2
Da Hill & Co.	6	2
Ph naceutical School	0	2
Bo d (Hodgkinsons, Clarke & Ward)	2	1
Ald gate (S. Maw, Son & Thompson)...	2	0
Ma Baker	2	4
H. ths & Co.	0	2
Alle s (Stafford Allen)	0	1
Hey tts	1	1
Ste hson & Howell	1	0
Alle ury's (A. & H.)	0	1

Draws t counted, nor any matches played with other than drug ouse teams.

Advertising-ideas.

Messrs. Ayre, of Northallerton, are celebrating the Diamond Jubilee of the introduction of Warrior's pills by the late Mr. Warrior, chemist and druggist. Amongst the testimonials is one from an octogenarian, who declares that he has not known a day's illness since first taking the pills fifty years ago. He must be a good customer if he has taken them all these years.

A False Medical Certificate.

At the North London Police Court on Tuesday Mr. S. Kent Jones, an unqualified medical assistant, of Mount Pleasant Terrace, Featherstone, Pontefract, Yorkshire, was fined 10*l.* and costs for giving a certificate of death signed by himself as "J. Cohen." It appeared from the evidence that Mr. Jones, who was stated to be the son of the President of the North Wales Branch of the British Medical Association, and to be an experienced though not a qualified practitioner, was assistant to Mr. Isaac Cohen, a registered medical practitioner, at his dispensary, 151 Blackstock Road, and in Mr. Cohen's absence last July he had attended a child, who died from pneumonia, and given the certificate. Mr. Cohen always signs his name in full, so the Registrar-General spotted the "J. Cohen," and made inquiries, with the above result. The fine has to be paid on Saturday week; otherwise Mr. Jones has the choice of a month's imprisonment.

A Chemist's Matrimonial Dispute.

At the Birmingham Assizes last week an action was brought by Margaret Eggo, Holly Road, Handsworth, against her husband, a chemist and drysalter, in business at Manchester, to recover 393*l.* 15*s.* money lent, and 76*l.* 4*s.* alleged to be due on promissory notes. It was stated that the parties were married in 1878, plaintiff having at the time property worth between 6 000*l.* and 7,000*l.* In 1896 Mrs. Eggo obtained a separation order under which the defendant was to pay her a fixed sum per week. The money claimed was given to the defendant to enable him to purchase a house and to start in business. In 1891 the defendant took into partnership one, Milestone, and, as he could not pay this gentleman out when he wished to retire, the plaintiff agreed to accept a series of bills. Defendant gave evidence to the effect that at the time of the separation he handed the furniture over to his wife in full satisfaction of all claims against him. Judgment was given for plaintiff for 97*l.* 15*s.*, and costs. Defendant: I'll not pay a penny. Mr. Justice Cave expressed strong disapproval of a threatening letter the defendant had written to his wife. This was quite enough, his Lordship remarked, to prevent anyone believing what he said in the witness-box.

Theft.

At Dudley Police Court, on Wednesday, John Street, warehouseman, and Thomas Arnold, carter, were charged with stealing various articles belonging to Messrs. Flesher, Raybould & Co., manufacturing chemists, Dudley. For the prosecution it was stated that the thefts were committed, in July, 1896, and had come to the knowledge of the prosecutors only a week ago, when they immediately took proceedings. The prisoners were in the employ of the prosecutors, Arnold delivering goods and Street checking his accounts on his return journeys. Arnold sold a cask of vinegar to a shopkeeper and got the money for it. Subsequently he had similar dealings with the same person, and Street made no entries regarding them. Mr. Raybould, managing director of the company, said Street had been in the employ of the firm for thirteen years and Arnold four and a half years. Prisoners admitted their guilt. Street, who did not make his first appearance, was sent to gaol for a month, and Arnold was fined 40*s.* and costs.

Mr. S. M. Burroughs's Estate.

It is officially announced that those employed by Messrs. Burroughs, Wellcome & Co., of Snow Hill, London, E.C., and Dartford, at the time of the death of Mr. S. M. Burroughs are entitled to participate in the sharing of a twenty-fourth part of Mr. Burroughs's personal estate, and those entitled should now make application to the solicitors on the estate.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

A Lucky Licentiate.

Mr. E. W. Allsom, L.P.S.I., Cork, has won an appropriation for 500*l.* from the local building society. This is the second appropriation Mr. Allsom has obtained since March last.

The Official List of Drugs.

The Local Government Board has written to the Belfast Guardians pointing out that there are articles on the list of medicines in the dispensary which cannot be considered as medicines.

Coming Events.

The Pharmaceutical Chemists' and Apothecaries' Assistants' Association of Ireland intends to shorten its name when the Winter Session opens. It is also the intention to start an employment register, for the purpose of providing situations for members and acting as a supply agency for employers requiring assistants. The opening meeting will be on October 8.

The Dental Association.

The annual meeting of the British Dental Association commenced in Dublin, on Monday, with a reception in the Royal College of Physicians. The opening address was delivered on Wednesday by Mr. A. W. Baker. The business included various questions relating to the administration of the Dental Act, the management of the Benevolent Fund, and also the most effective methods of protecting the general public from incompetent practitioners who impose on their ignorance and credulity.

Exhibits at the Horse-show.

The Annual Exhibition of Arts and Crafts and the Horse-show opened in Dublin on Wednesday last, under most favourable circumstances. The presence of the Duke and Duchess of York lent additional *empressement* to the occasion, and some thousands of visitors from all parts of the world passed the turnstiles on the opening-day. Representatives of the drug and chemical trade are more numerous this year than usual, amongst those on the galleries and in the grounds being Messrs. Day, Son, & Hewitt; Joyes' Sanitary Compound Company; Lawes' Chemical Company; McMaster, Hodgson & Co.; Paul & Vincent; Blondeau et Cie; and Shanks & Co. The stalls are all well filled with seasonable articles.

Diamond Cut Diamond.

At Belfast last week a prosecution was brought against Messrs. Montgomery & Pratt, York Street, for an alleged breach of the Trade Marks Act. The defendants were charged with having sold a tin of white pepper which unlawfully described a trade-mark that was non-existent. Mr. Gordon, Q.C., who appeared for the complainants, the American Baking-powder Company, stated the case for the prosecution. On the tin of pepper (produced) were the words "Wright, Crossley & Co.," a lion, and the words "trade-mark" and "genuine ground pepper." The complaint was that the lion represented a trade-mark which did not exist. For the defence, it was stated that the manufacturers, who had some time ago successfully prosecuted the present complainants for a similar breach of the Act in respect of the sale of baking-powder, had since withdrawn all the objectionable labels. They described the summons as having been brought in retaliation for the prosecutions brought by Messrs. Wright, Crossley & Co. against the American Baking-powder Company. The Magistrate fined the defendants 40*s.* and 20*s.* costs, holding that the word "Registered" included the whole design.

Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

Lord Provostship of Edinburgh.

Mr. Richard Clark, J.P., the principal of Raimes Clark & Co., wholesale druggists, Leith Walk, Edinburgh, one of the candidates for the Lord Provostship of Edinburgh. Mr. Clark has been on the Town Council since November last, but has for about twenty years taken an active interest in municipal and political affairs.

A New Carbon-factory.

A new factory for the purpose of preparing carbon connection with the electric furnace of the British Aluminium Company's works at the Falls of Foyers, and for other purposes, was opened in Greenock by Lord Kelvin last week. The factory is the first of the kind in the United Kingdom. The raw material used in it is retort-carbon, a by-product of gasworks, and it is obtained from the gasworks in Glasgow and other towns. The principal features of the press are the great pressure at which the carbons are moulded by powerful hydraulic machinery and a unique annealing furnace heated by producer-gas.

French News.

(From our Paris Correspondent.)

Two Pharmaciennes.—At the Pharmacy examination held at Reims last week two sisters, Mlles. Aline and Louise Champeaux, passed their final examinations very creditably and received their diplomas as "Pharmaciennes."

Death of a Pharmacienne.—The death is announced of Mme. Carlier, *née* Doumergue, who took a second class diploma as pharmacist twenty years ago Montpellier. Mlle. Doumergue was one of the first women in France to adopt pharmacy as a profession.

A Bacteriologist for Menelik.—It is stated that Dr. Robert Wurtz, a professor at the Paris Faculty of Medicine is about to start for Abyssinia on a mission as bacteriologist. His destination is Adis Abeba, where he is commissioned to organise a service for vaccination. When this is accomplished he will turn his attention to rinderpest and maladies of a kindred nature, which visit the Emperor Menelik's country almost periodically.

Pharmacy Students' Fees.—A decree, signed by President Felix Faure and M. A. Rambaud, Minister of Public Instruction, has been published, stating the fees to be paid by pharmacy students from January 1 next. The quarterly inscription-fee will be 30f. (1*l.* 4*s.*); the quarterly fee for practical work, 25f. (1*l.*); while students admitted to the research laboratories will pay 50f. (2*l.*) to 150f. (6*l.*) according to the decisions of the respective schools. Aspirants for the diplomas of pharmacien or Doctor of Medicine and for the certificate of studies at the Faculties of Science, who may either have terminated or interrupted their studies, will pay the same fees as ordinary students for practice in the laboratories.

Anti-choleric Serum.—On Monday afternoon at the Paris Academy of Sciences, M. Gautier handed in a letter from Dr. Féran, of Barcelona, in which the latter claimed the priority for anti-choleric inoculations, adding that the medical world and the public in Spain had occasion, in 1889, to appreciate the good effects of the serum discovered by him. Both Dr. Brouardel and M. Bertrand replied, and called attention to the fact that the method of the Spanish doctor dates from 1885, in which year a commission

h doctors went to see him, but at that time it was far giving the excellent results now claimed for it. e other hand, Dr. Féran refused to disclose the osition of his vaccine in 1885, and has since persisted s refusal. The Paris Academy of Sciences, therefore, ot consider itself justified, under the circumstances, in sing an opinion on the curative qualities of a product which it is not acquainted, nor is the Academy dis- to entertain Dr. Féran's claim of priority.

PARIS OCTROI AND SCOTT'S EMULSION.—The Paris Octroi loses an opportunity of endeavouring to impose the lues on pharmaceutical preparations containing in- nts on which dues can be claimed, unless, apparently, been proved without the faintest shadow of doubt that urt of law in France will uphold the claim. This in f the fact that the law on the subject is sufficiently t and says, "Any pharmaceutical preparation which utes a special product having a nature of its own, and can only serve as a medicament, is not subject to any Litigation frequently results from this eminently un- ctory state of things, and a final decision has recently given against the Administration, in which the pro- s of Scott's emulsion were the defendants. It may ed that the matter was heard before the Tribunal of ne, Paris, last year, when a decision was already given, urable to the Octroi authorities, who thereupon took e before the Court of Cassation, beyond which there ppeal. The principal part of the judgment says: eas if in virtue of existing laws certain town dues are on animal oils destined to be consumed in Paris, any t constituting a purely pharmaceutical preparation is l to be admitted free, even though substances on which e payable enter into its composition. The judgment d against declares that Scott's Emulsion is a product *gris*, in which cod liver oil is combined with hypo- ite of lime, and hypophosphite of soda, glycerine, essences, and soda. The admixture of these liquids rent densities results in a transformation of the cod in such a way that this product, which is destined sed as a medicament, no longer presents its separate er as an oil. Under these circumstances there is no or revising the judgment given by the lower Court r of the defendants." The Paris Syndical Chamber hical Manufacturers has been endeavouring for some ast to come to an understanding with the Octroi ies on the subject, but so far very little has been Meanwhile a great hindrance to business frequently and at the various gates of the city of Paris the same will sometimes be taxed in different ways on the y, according to the humour of an inspector or his ation of his instructions.

olonial and Foreign News.

CHEMICALS AND FLOODS.—The chemical and pharma- factory of Dr. Theodor Schuchardt at Goerlitz, in y, has been severely damaged by the recent floods, e last week manufacturing has been resumed in all ents.

A FIND OF MERCURY.—What appears to have been a find mercury occurred in Calcutta the other day during cavations for laying a water-main in Clive Street. ounds of the liquid metal were discovered to have at one spot about 3 feet from the surface. The appeared to be oozing out from the red clay soil.

STILL AFTER THE RINDERPEST-BACILLUS.—Dr. Eding- Cape bacteriologist, is very sanguine of the success of ess of preserving rinderpest-gall in glycerine. If ess be successful it will enable the preparation of be carried on wholesale in the central Kimberly instead of having bile-stations all over the colony, risk, as some farmers believe, of spreading the

THE SALE OF POISONS IN HUNGARY.—The many murders ing, which have recently been brought to light in have caused the authorities to announce that a gent law on the sale of poisons is in preparation. It would appear, however, that it is not so much the laxity of the existing law that is to blame for the ease with which poisons can be obtained, as the fact that the law is not properly administered.

A COLOURED LADY DOCTOR.—A diploma to practise medicine has been granted by the Louisiana State Board of Medical Examiners to Mrs. Emma Wakefield, a lady of colour. She is said to be the first woman of her race in the South to receive this privilege. Mrs. Wakefield is the daughter of ex-Senator Wakefield, and a graduate of the medical department of the New Orleans Coloured University. No doubt her practice will be confined to those of her own race.

THE INSECTICIDE-TRADE IN PHILADELPHIA.—In Philadelphia there are 140 different manufacturers of insecticides. Over one thousand men are employed in the industry, which utilises a capital of $1,000,000, and yields an annual output of over $2,000,000 worth of goods, which is sold all over the United States, and also exported to England and the Continent. Ten carloads of vermicides are sent away weekly to different States, besides thousands of cases that go by water.

PETROLEUM IN CANADA.—An important find of petroleum is reported from the extreme eastern part of the Gaspe Peninsula in Canada. The well was bored under the direction of the Petroleum Oil Trust Company, which is believed to be a branch of the Standard Oil Company. At present 200 barrels a day are being taken from the well, which shows no signs of giving out. It is stated that the oil company has spent "hundreds of thousands of dollars" in the Peninsula during the last six years in prospecting and boring.

PHARMACEUTICAL "LICENCES" IN GERMANY. — The Pharmaceutical Association of Germany intends to send a petition to the authorities in connection with the projected Bill for the reform of the licence system of pharmacies in that country. The Society asks that all qualified chemists who have been engaged in pharmacy for twenty years after the taking of their degree, and can give proof of good conduct during that time, shall be allowed to open shops in any part of the country. These shops should not be saleable or transferable to anyone else, but would have to be liquidated at the death or retirement of the proprietor. It is stated that if the Government should adopt the Association's views, a limited company will at once be established for the purpose of supplying the newly-licensed pharmacists with all their requirements in the shape of shop-fittings, drugs, &c.

CAPE COLONY TRADE.—The Cape Colony trade returns for 1896 show a decrease of 2,057,898*l.* in the imports. In 1896 they were worth 20,377,589*l.*, as compared with 18,319,691*l.* in 1897. But this is entirely owing to the decrease in the import of specie from the Transvaal—from 3,729,827*l.* in 1896 to 75,266*l.* in 1897. This import has been partly deviated to other routes. On the other hand the imports of general merchandise have increased from 15,981,987*l.* in 1896 to 16, 984,245*l.* in 1897, which shows a sufficiently prosperous state of things. The exports of colonial produce show a decrease of 91,745*l.*, the figures being 385,749*l.* in 1896, and 3,765,750*l.* in 1897. Diamonds show a decrease of 171,936*l.*, while the export of raw gold shows an increase of 1,470,042*l.* The re-exportation of imported goods likewise shows an increase of 32,541*l.* The Customs revenue yielded 1,922,026*l.* in 1896, as against 2,436,450*l.* in 1897.

CANADIAN P.A.T.A.—We have received a copy of the constitution and by-laws of this Association, which show that its objects are:—

> The mutual protection of the rights of its members to the respective trade marks they own or control; to establish such mutual co-operation as may be required in the various branches of trade; to unite in reducing all burdens that may be oppressive; to facilitate and foster equitable principles in the purchase and sale of merchandise; to acquire and preserve for the use of its members such business information as may prove of value to them, and to adjust controversies and promote harmony among its members.

The membership of the Association is to cost $5 a year, and those who wish to retire must give sixty days' notice. Meetings of the members are to be held in June and November each year.

The Jersey Pharmacy Act.

At last Saturday's sitting of the Royal Court of Jersey practically the whole of the local chemists and druggists obtained

Registration

under the provisions of the new regulation—some as being duly certificated, but many under the clause extending this permission to those established and practising at the time of the promulgation of the law (August 14). The following are those who were thus registered:—

Messrs. John Ereaut (Bath Street), John Piquet, Fdk. Geo. Piquet, and Ernest Frs Piquet (of Messrs. Piquet & Son, York Street and Halkett Place), Hy. Miller (King Street), Jn. Tho. Baker (Halkett Place), Eugène Joseph Duprey (Queen Street), Frs. Geo. de Faye (David Place), Jn. R. Le Poidevin (Bath Street), Henry Ereaut (Val-Plaisant), Geo. Cole (King Street), Chs. Le Sueur (Charing Cross), Ph. Dnl. Le Brocq (Queen Street), Ph. Ths. Mutton (Colomberie Street), Camille Hazart (Conway Street), Rd. Fdk. Davis (Colomberie Street), Rbt. Inglis (King Street), H. de Bons (Mulcaster Street), Ths. Jn. Le Scelleur (Beresford Street), Frs. Ph. Vétier (La Motte Street), Théophile Paul Ernest Trotry-Girardière (Troopers' Yard), and Jn. Renouf, jun. (of "The Drug Stores," Burrard Street); also Messrs. George Edwin Osborne Cave (qualified manager to Messrs. Boot's, cash chemists (Western), Limited, Jersey branch, Queen Street), Edmund Tapley Adams (qualified assistant to Mr. Henry Miller), and Mr. Pierre E. F. Perrèdes (qualified assistant to Mr. Frs. Geo. de Faye).

The Bailiff, or Chief Magistrate (Sir George Clement Bertram), remarked that a certificate should be put in by non-qualified applicants to prove that they were really in business in Jersey. Some of the applicants already had such certificates, given by neighbours, &c., and others were at once written by the Connétable (Mayor) of St. Helier, Mr. H. E. Le V. dit Durell, the leading member of the local Bar. Sir George observed that in future only the certificates of the Mayor would be accepted by the Court.

Applications Declined.

An application was made by Joseph Wm. Sinel, assistant at "The Drug Stores," in Burrard Street, the proprietor of which (Mr. J. Renouf, jun.), though not professing to possess practical knowledge of the trade, had been registered without comment as a chemist and druggist duly established before the passing of the law. The applicant was apprenticed for four years (prior to 1889) to Mr. Frs. Geo. de Faye, who certified he had completed that period of service to his satisfaction; after which he was assistant with the late Mr. George Ereaut, Bath Street, and then had for six and a half years acted as dispenser at "The Drug Stores." Last week, however (since the passing of the Act), Mr. Sinel opened a small shop in a quiet thoroughfare near the market, thinking that he would be registered as being in business before the passing of the Act. Adv. Durell candidly put these facts before the Court, also reading certificates from three leading local medicos, Drs. W. Duret Aubin (author of the law), A. Dunlop, and A. C. Godfray, who expressed satisfaction with Mr. Sinel's dispensing. The Bailiff said the Court only granted permission to practise "as a special concession" to those who could not present diplomas. It was surely not the spirit of the law that immediately it was passed persons, even non-qualified, could, by opening shops for a few days, obtain registration, and so be placed on the same footing as chemists who presented diplomas, or who had been established in business for years past. He certainly did not consider this one of the special cases specified by the law for exceptions. Another advocate rose with the evident object of opposing the application at the instance, it was understood, of one of the local chemists, but Sir George stopped him, saying it might be unnecessary to hear him; and, indeed, on consulting the Jurats (Judges) by his side, the Court rejected the application.

Another assistant, Mr. T. W. de Faye (formerly with Mr. J. R. Le Poidevin, but now at Messrs. Boots' Jersey branch), had also opened a hastily-fitted shop in Queen Street; but his solicitor, on hearing the ruling of the Court in Mr. S[illegible] case, returned the application-papers to Mr. de Faye.

Those local chemists who failed to apply for registr[illegible] last Saturday are unable to sell poisons till they have [illegible] registered.

Anomalies.

There are some anomalies now observable. Beside[illegible] fact that Mr. Renouf, proprietor of "The Drug Stores," o[illegible] registration, though not actually supervising that bu[illegible] (he is a wholesale ironmonger at other premises), it is [illegible]worthy that one of the "chemists" was originally a po[illegible] the establishment where Mr. Sinel was apprenticed, t[illegible] it must be admitted he now seems to know his bus[illegible]. Then, too, a father and two sons have been regi[illegible] for a business carried on in two shops as "—— & [illegible]," though, we believe, two hold diplomas; while Messrs. [illegible] manager registers, but not the firm. Another regi[illegible] chemist carries on a cycle academy, leaving his pharm[illegible] as a rule to the supervision of an assistant. Then, to[illegible] Perrèdes (assistant to Mr. F. G. de Faye) felt he shoul[illegible] present his diploma for registration, though it is improba[illegible] will be in the island for many months. The passing [illegible] Act at such short notice will naturally cause much [illegible]venience to grocers in Jersey who have a patent-me[illegible] department; and the chemists will probably be able to [illegible] up" some cheap lots at clearance prices.

Trying it on with Boots.

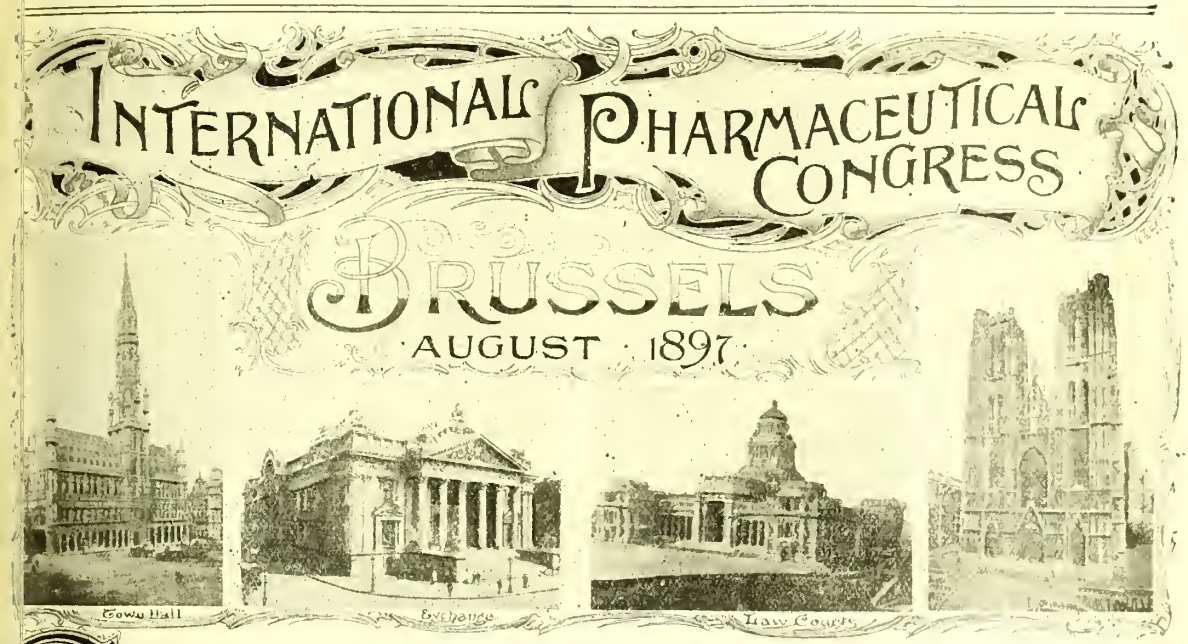
Directly Messrs. Boots' Jersey shop opened on Mo[illegible] a strange demand for pennyworths of poison was noti[illegible], white precipitate-powder being generally asked for by [illegible] supposed, emissaries from various of the local ch[illegible]. Messrs. Boots did not, somehow, apply to the Co[illegible] registration (as a company) on Saturday, though they [illegible] in all probability do so at the next sitting of the Court. [illegible] case, their customers may not have got quite wha[illegible] wanted, for all the poisons sold was labelled in the n[illegible] the firm's local manager (Mr. G. E. O. Cave), who is regi[illegible]. We understand Messrs. Boots interpret the Jersey [illegible] allowing them to register, and are accordingly dete[illegible] to obtain that privilege.

The Author of the Bill.

Dr. Walter Duret Aubin, the author of the new A[illegible] is a graduate in medicine and surgery of the Edinburg[illegible]

versity. He is a Surgeon Lieutenant-Colonel in th[illegible] Army Medical Reserve, and in the Royal Jersey Light Infa[illegible].

The Chemical Analyses of sugar, liquids, a[illegible] products having alcohol as a base, which are made [illegible] French Customs and the administration of indire[illegible] have hitherto been undertaken by two distinct labo[illegible], both under the control of the French Minister of [illegible]. It has now been decided to amalgamate them, on[illegible] reasons for this step being that the two laborator[illegible] frequently at variance in matters of analysis. Perh[illegible] Paris pharmacists may profit a little by the ch[illegible], as hitherto the fiscal authorities and laboratories ha[illegible] very arbitrary in taxing medicaments, which has fr[illegible] given rise to litigation.



SOME two hundred pharmacists of many countries assembled at the Free University of Brussels, on Saturday last, for the "solemn opening" of the Eighth International Congress of Pharmacy. For International Congresses Brussels is the leading city of the world. Belgians try to keep on good terms with every other nationality, and every other nation sympathises with them. Brussels is the Clapham Junction of Europe; all travellers are bound to pass through it two or three times in their existence, and many stop in the pleasant city for some length of time to enjoy its attractions. This summer there have been already a fair number of International Congresses held in Brussels: a legal International Congress had been in session a week before; a hygienic Congress was just being concluded; and, simultaneously with the pharmacists, the representatives of the colonies and the Working Tailors of the World were conferring there. Whether the Belgian Government treats all congressists alike we know not. But we are informed that for the Pharmaceutical Congress a subsidy of 7,000f. was granted from the public treasury, and besides this (as will be seen hereafter) the Municipality, the Society of Pharmacy, the University, the City of Antwerp, the Exhibition authorities, and other bodies all willingly contributed funds, or otherwise assisted, in making the Congress a success.

The University Buildings, where the meetings were held, were, of course, admirably adapted for the purpose. Moreover, the locality lent dignity to pharmacy. When, on Saturday morning, the members entered the building, they were presented by a liveried youth with programmes of the day's proceedings. To those members with whom the Saturday half-holiday is sacred the programme looked alarming. There was, first, the "solemn opening" of the Congress in the afternoon. Then three of the sections were to meet and discuss pharmaceutical legislation; pharmaceutical and industrial societies; the establishment of laboratories for testing the purity of medicaments in all countries; the medical history of the genus *Actæa*; and, to give the proper degree of shadow to the picture, a paper (in the section of hygiene) "On Putrefaction of Corpses." Having disposed of these objects and elected committees for the various sections, the congressists were asked to meet at 4 P.M., in "plenary assembly," for the discussion of two important papers, one on the standardisation of the active principles of drugs and medicines, and the other on the ethics of new remedies, and how to reconcile private claims and public interests in connection with the latter. In the evening there was to be a *soirée* at the Hôtel de Ville, on the invitation of the municipal authorities.

The Opening Ceremony.

This being a fair sample of each day's work, it is obvious that anything approaching a detailed report of the proceedings, such as we gave last week of the Glasgow Conference, is altogether out of the question. In some instances the papers were so lengthy, and the discussions so many-sided and profuse, that a verbatim report of one subject would occupy a whole number of this journal. We can, therefore, only give a general outline of the week's work.

The chief officials of the Congress were in what the Britisher calls "evening" dress at 10 A.M., when our representative arrived. Belgians get into that costume on the smallest provocation, and for the social functions which followed it was essential. M. Ranwez, professor at the University of Louvain, presided at the opening ceremony, and he had on his right M. de Bruyn, the Minister of Agriculture, of Hygiene, and of Public Works (a functionary who surpasses Cerberus, of "two gentlemen rolled into one" fame). On his left was M. van Bastelaer, who presided over a previous International Congress of Pharmacy (the sixth), held in Brussels in 1885. Surrounding these three stars were a number of distinguished representatives of medicine and pharmacy, including M. Gillieaux, a pharmacien, who is a member of the Belgian Chamber of Deputies, M. Duyk, the cordial and hard-working Secretary of the Congress, M. André, Director-General of the Department of Hygiene, and Ch. Vandeulwerk, General Commissioner of Festivities.

Professor Ranwez.

"How did you get a Cabinet Minister to decorate your assembly?" was a question put to the Secretary in the course of the proceedings. "Why, we just went and asked him," replied M. Duyk. That seemed an easy enough solution.

Before business was started, a band struck up the "Brabançonne," as the Belgian National Hymn is called. The audience all rose to the strains, and remained standing while "God Save the Queen" was played. Then M Ranwez gave an introductory address reviewing the history of the Association Belge de Pharmacie during the past half-century. M. Ranwez described the ups and downs of pharmacy as a science and a profession from the forties until the present day, when, he said, "Belgian pharmacy had risen, more nobly than ever before, to celebrate her Jubilee by important scientific publications set in splendid rejoicings." The Belgian Pharmaceutical Society (which celebrated its fiftieth anniversary two years ago) started with much promise of prosperity. Its first President was the late M. Pypers, one of the Grand Old Men of Belgian pharmacy, to whose memory the speaker paid a feeling tribute. After his retirement the Society fell into decay, and continued so until M. Gille became President. From that time it once more became prosperous. The Law of 1876 had done the profession much injury, but it had got over that trouble, and had achieved a genuine triumph in the recent appointment of sixty inspectors of food-stuffs, of whom thirty are pharmaciens, and in the acknowledgment of the rights of pharmacy to have members of its profession on medical commissions.

M. van Bastelaer, Brussels.

The band next had a turn with the "Watch on the Rhine," followed by the "Marseillaise." The heads on the platform kept time with the strains of the latter anthem, but no one's "impure blood" was shed. Then M. de Bruyn, Minister of Agriculture, &c., discoursed. He was not in evening dress, and wore black gloves. His Excellency is a man of masterful appearance, and speaks like a practised orator. M. de Bruyn was happy to welcome the representatives of pharmacy, who had come from all parts of the world. From the gathering of so many men of science a fruitful harvest of pharmaceutical progress must result. In Belgium a commission was now sitting to draw up a Bill regulating the relations between pharmacists and medical men, and to that measure M. de Bruyn hoped, ere long, to attach his name. "The pharmaciens," said the Minister, "are my most highly-esteemed collaborators, and I will consider it my greatest honour to affix my signature to a law embodying their wishes." Fancy a British Cabinet Minister talking like that! The Minister's oration was loudly applauded, and, after more playing of National Anthems,

M. van Bastelaer reported how things were left at the close of the last Congress. Then M. Duyk, the Secretary-General, gave a concise account of the origin and organisation of the present one. He produced the official correspondence with various societies, and finished by calling the names of those whom it was proposed to elect honorary members, such as M. de Bruyn, certain officials, and presidents of various Belgian societies who had been nominated by "the Bureau." The rank and file of us applauded, but we did not seem to have a voice in the election.

Mr. Alfred Meyer, of New Orleans, a delegate of the United States, thanked the Congress, in the name of the foreign "adherents" and visitors, for the hearty we extended to them. More music followed, the Minist thanked for coming, and then we dispersed for bre with the reminder that 2 P.M. was the next meetin for the section and 4 P.M. that for the full Congress

At this first plenary meeting Professor Fernand R opened the proceedings with a paper on the

Standardisation of Medicines.

It was a reply to the question, "Is it not desirable, the present condition of scientific knowledge, to insist the presence of a normal proportion of active principle preparation?" The Congress of 1885, M. Ranwez re his hearers, had decided in favour of this view. resolved that chemical products should be of exact c position; that galenical substances should be as far a sible standardised; that Pharmacopœias should establi average standard for all drugs used for galenical pr rations. As far as possible there should be a fixed between the quantity of the drug used and the prod at least there should be as few variations of proport possible. Also, Pharmacopœias should indicate pro for assaying the active principles in drugs and their pr rations. The Congress of Applied Chemistry in Paris i also passed a resolution that a permanent commission be established in every country charged with determini characters of purity of each medicament; fixing the p tions of active principles, agreeing on analytical pro and indicating the proportions of active principles in medicaments in foreign Pharmacopœias. M. R assumed that there could be no doubt that they ap these views, and the organising committee of the Co had merely put the question into the programme further attention to it. He pointed out how unsatisf was the existing condition of variation from a therap point of view. It might be said that this condition w a serious inconvenience, inasmuch as physicians who w exact doses could in many cases prescribe the is active principles. But, he said, that view would o admissible if the isolated principle represented its adequately. It is no doubt the base of that activity, does not represent the whole of the virtue of the plant, is always a complex combination. The original thera experiments on which most of our popular medicines established their reputation were all made on the plant there are many physicians who desire to follow the e ence of their predecessors without excluding the alkaloids in appropriate cases. By establishing su ordinance as suggested, M. Ranwez argued, we ensure a higher standard of drugs generally. If th portion of active principle in drugs be not fixed offici one direction, commerce will fix it in the other by pro drugs of the lowest quality saleable. It was true that drugs, such as opium, cinchona, and nux vomica cou be estimated by simple dosage; but others, like ip anha, belladonna, aconite, cantharides, and jalap, capable of such treatment. Each case must be separately, and such progress should be made as was possible. Ultimately M. Ranwez formulated, as the of his argument, the proposition that the Congres of opinion that competent authorities should ins medicines of fixed standards in active or important ciples.

A brisk discussion ensued on M. Ranwez's paper. macien Collin, of Genappe, opposed the resolution, cont that any galenical preparation carefully prepared und best conditions of modern manufacturing must be a remedy, and that universal standardisation was not sary. M. Petit, President of the General Pharmac Association of France, proposed to add to the resoluti words "So far as possible." There were certain prepar and drugs now brought into commerce, in the fo crystals, solutions, or extracts, which could no long offered in that form if it were made obligatory to stand them. The best factory-made galenicals now sold p good results. Then why not leave them alone? M. R said that he was not sufficiently acquainted with ma turing operations to reply to M. Petit, but he saw no in adding that gentleman's rider to his resolution, a that form the proposition was put to the meeting carried

New Remedies.

Following M. Ranwez's paper M. E. Fayn, of Antwerp, a former President of the Pharmaceutical Society of that city, submitted a clever and useful paper on the subject of new remedies. He pointed out that the fever of producing new remedies was due to the well-deserved success of antipyrin. This had no doubt led to much research in organic chemistry, but it had also tempted capitalists into the business of producing new remedies, and from that to charlatanism there was but a single step. The Belgian Pharmacopœia, of 1885, orders that pharmaciens shall be required to supply "all" the medicaments which shall be prescribed by medical men. They could only say with Cicero, *Dura lex, sed lex.* This difficulty had been met in Antwerp in the following manner:—The Pharmaceutical Society appoints one of its members to keep samples of all new remedies as they are introduced. The expense of this depôt is shared by all the members of the Society. If, after a fixed period, it is found that a new medicament is in frequent use, it is withdrawn from the Association-stock, and each pharmacien is expected to buy for himself what he wants. A system similar to this was suggested by the author for other localities. He also advocated, in the course of his paper, that the characters and tests of all new remedies should be given in prospectuses issued by the manufacturers, or, preferably, on the labels of the packages; that pharmacists should establish common laboratories for the analysis of these new medicaments, which, it was said, often varied in their nature; that an international committee should be appointed to study and to estimate the therapeutic value of new remedies; that the serums should be officially verified; that the nomenclature of new remedies should be revised, particular attention being directed to such probable sources of confusion as eucalyptol with eucalyptol, thyroidine with thyroiodine, salacetol and salacetol, eucaine and eucasine. Lastly, he recommended the annual publication of supplements to Pharmacopœias.

M. N. Gille, of Brussels.

In the course of the discussion which followed, Mr. Meyer, of New Orleans, asked the Congress to resolve that whenever a new chemical remedy was introduced pharmacists should always be at liberty to sell the same compound under its chemical name. If the Congress approved of the idea, he suggested that the President should communicate with the various Governments, with the view of getting the laws modified so as to fulfil this condition. M. Petit, of Paris, gave a general support to this suggestion. The subject had been discussed, he said, by the General Association of French Pharmaciens, and at the Pharmaceutical Congress lately held at Marseilles. But he would go further than M. Meyer, and would put the resolution as follows:—"That trade-mark property should not be created in medicaments." "We do not wish to proscribe the name of a medicament," said M. Petit, but we wish to prevent it becoming the sole property of any individual. Mr. Meyer was quite ready to go with M. Petit.

M. Fayn pointed out that his report did not oppose such a view. In England, he said (but his view of the English law cannot be quite relied on), the suggestion of Mr. Meyer is already in operation. The English call antipyrin "phenazone"; saccharin they have renamed "gluside."

"Be it so," said M. Petit. "Let antipyrin be sold as phenazone, or what you will, but let no single manufacturer have the exclusive right to that name. The medicine is not patentable; do not let the name become a monopoly." [In France it is not possible to patent a remedy, but a title can be registered as a trade-mark.] After a little more discussion M. Petit's proposal was adopted as a resolution of the Congress.

The further discussion of M. Fayn's paper was postponed till the next day, when the consideration of the proposal for a permanent commission to examine all new remedies was considered. M. van Bastelaer held that this duty was already imposed on the various Pharmacopœia committees. But after some further interchange of opinions it was resolved that the chief Pharmaceutical Associations in each country should be recommended to appoint authorised committees to carry out the work as suggested by M. Fayn. This was generally approved, and adopted.

Official Laboratories for Testing Medicines.

A very earnest and passionate discussion followed the paper submitted to one of the sections by M. de Ridder, pharmacien, of Antwerp, who advocated the establishment of official laboratories for testing drugs. There were not thirty people in the room, and for the greater part of the time from five to ten of them were speaking at once. It became evident (or it was so supposed) that the effect of adopting M. de Ridder's proposal would be to apply the resources of the laboratory to the analysis of proprietary articles. After much feeling had been spent, an attempt was made to submit the gist of the paper in a proposition framed somewhat in this way:—"That for the benefit of pharmaciens who have not the time to make their own analyses, it is desirable that central laboratories should be established in all countries for the general verification of medicaments." This set the debaters going more violently than ever. The average number of disputants speaking at the same time rose to ten or fifteen. In vain the Secretary-General reminded the meeting that there was another paper to be taken, and that the section must close at 4 P.M. At last some one proposed that the discussion should be adjourned to a subsequent day. This was promptly agreed to, and peace was restored. The tranquillity which succeeded the storm was intensified when a paper on "Pambotano," by M. Heim, of the Museum of Natural History at Paris, was read.

The Secretary: M. Duyk, Brussels.

Anti-Cutting: Legal Difficulties.

La Spécialité always lurks just beneath the surface of every French pharmacien's science, and the fatal subject often crops up most unexpectedly. Besides several minor and promiscuous manifestations a whole morning's discussion in the First Section was devoted to the fruity subject of patent medicines. Three papers dealing with this matter were on the agenda, but in no instance did the author put in an appearance. Two of the papers were read, nevertheless. The first was by M. Raymond. It was a commendably brief essay, giving a summary of a report drawn up by a committee appointed by the Syndicate of the Pharmaciens of the Department of the Charente on "A Practical and Legal Means of Avoiding the Reduction of the Marked Price of Specialities." In 1896, said the report, the General Association of Pharmaciens of France submitted a scheme to the Syndical Chamber of Manufacturers of Pharmaceutical Products, to the following effect:—That proprietors of specialities should attach a ticket to each packet sold; that the pharmacist retailing the article should detach the ticket and fill it up, the amount being subsequently payable to him provided that he had not been found to have cut the speciality in any way. This scheme had been submitted by the Syndicate of Owners of Specialities to M. Renault, professor at the School of Law in Paris, who had declared it to be impossible of execution, contrary to the principle of

free competition, and coming within Article 419 of the Penal Code, which renders punishable a combination with the object of advancing prices. One of the Charente pharmaciens, M. Dognon, had proposed another plan, which was that the Syndicate of Pharmacists of each district should establish general departments of specialities under the patronage of the General Association of Pharmacists, and that proprietary articles should be supplied by the manufacturers who wished to ensure to the retailers a fair profit to such depôts only. This scheme had been examined by another eminent lawyer, who thought that, providing the depôts were established by the owners of specialities or by their trade-association, and not by the pharmacists or their syndicates, they would be legal. The full details of the scheme were appended.

The Crusade Against Specialities.

The discussion which followed this paper was rather tame In the course of it M. Crinon, of Paris, explained the negotiations that had been proceeding with the manufacturers, and urged that no attempt ought to be made to disturb these at present. He ultimately, with the concurrence of M. Petit, framed a resolution to the effect that, in order not to hinder the movement now in existence in France in regard to the sale of specialities, the section decided not to discuss the proposed scheme of the Charente Syndicate. This was carried: and then followed a paper contributed by M. Aimé Bekaert, of Ghent, demanding, in the name of public health, of honesty, of science, of humanity, and of many other noble causes, the absolute and unconditional suppression of the medicinal speciality. M. Bekaert hoped that no discourteous word would be said in the discussion, and then proceeded to say that the business in specialities was wholly incompatible with our duty, our conscience, and the public health. Those who made and advertised patent medicines were sharpers (*malins*) who lived on human stupidity. It was useless to reason with them. Then he went back to the discussions on this subject at the Congress of 1885, asking what good had resulted from the noble speeches which had been made then by the opponents of the speciality, and dealt with the arguments of its supporters. After a few speeches had been made, the gentleman who had read the paper intimated, on behalf of its author, that he withdrew it from discussion. But M. Collard, of Marseilles, whose crusade against the "speciality" is familiar in French pharmaceutical circles, was not willing to let the subject drop like that. He had brought a portfolio with him, and selecting therefrom a bundle of papers he harangued warmly against all "specialities" and all "specialists." His discourse was mainly a development of the thesis that the speciality is incompatible with true pharmacy. One or the other had to go. The discussion waxed very warm. Orators again and again "demanded the parole," which is the French equivalent for catching the Speaker's eye. Some —for instance, MM. Petit and Crinon—got that "parole" as often as they wished; others, like poor M. Collard, were firmly suppressed. M. Petit, who is the President of the French Association of Pharmacists, apologised for the speciality, and advocated only its regulation by labels, &c. M. Collard's views, however, were not unsupported. One gentleman (a Dutch delegate) said pharmacists could themselves suppress the speciality. There were many who refused to touch it. If they were asked for such and such a speciality they told their customers to get a medical prescription for it and they would make it up. Mr. Meyer, of New Orleans, told the section that the speciality was not unknown in America. He advocated that the manufacturer be compelled always to print the formula on the label. Ultimately M. Crinon formulated the views of the majority as follows:—"That in all countries special laws should be enacted containing a provision that the label affixed to packages of pharmaceutical products must indicate the name of the medicine, the dose, and all the ingredients entering into the composition." The Chairman had to apply the closure before a vote could be taken, when it appeared that five of us were prepared to suppress the speciality absolutely, while the remainder twenty-five or so preferred the milder method suggested by the French delegates.

A French Delegate
(M. Adrian, of Paris).

Programme of Pharmaceutical Studies.

This subject was dealt with by M. L. van Hulst, pharmacien at Ixelles, a suburb of Brussels. The author set with the dogma that a university education aimed at giving the student only sufficient knowledge to fit him to deal with problems as they arose. The educational code could only be revised at long intervals, while scientific discoveries followed in rapid succession. M. van Hulst's dissertation was a report on the condition of pharmaceutical training in Belgium and certain adjacent countries, rather than a "paper," in the sense of the others read at the meeting. Considering that pharmacy was largely based upon chemistry, the inference would be that pharmacists would have before them excellent chances of attaining prominence in one or another of the numerous industries that are based upon a knowledgde of chemical processes. Nothing of the kind, said M. van Hulst; experience teaches that pharmaciens who fail to succeed in their own branch join the ranks of the *déclassés*. Very rarely indeed does a pharmacist attain eminence in an allied profession. In this respect pharmacy is markedly inferior to, say, medicine or the law. And in pharmacy it is not generally the men with the greatest scientific knowledge that are the most successful. Moreover, the introduction into medicine of animal products—such as lymphs, organic extracts, serums, and virus—threatens to revolutionise pharmacy as now understood. To avert these dangers, M. van Hulst proposes, in addition to the ordinary routine-programme of subjects, that a pharmacist must know in order to carry on his business, an "optional" course of studies for pharmaceutical students should be established in all countries, embracing pharmaceutical legislation, general hygiene, toxicology, the chemistry of foods and drinks, chemistry applied to industrial processes, theoretical and practical bacteriology, the science of antisepsis, mineralogy, specialist botany, and first aid to wounded. Students in pharmacy should be compelled to take up at least one of these "outside" subjects, the choice to be left to them. At present pharmaceutical training is far too one-sided and narrow; thousands of young men were taught just what they needed for their own business; a compulsion to take up a wider range would broaden their minds and make them more fit to cope with the business of life. M. Gessche expressed his objection to the optional courses. M. Collard desired to discuss the necessity of teaching in pharmaceutical legislation; but M. Lejeune objected that, as this matter had already been voted on in another section, it was unnecessary to insist upon it here.

A Dutch Delegate
(M. Jacobus Polak, Amsterdam).

The President put it to the vote, and the meeting decided to dispense with M. Collard's oration. After some remarks by M. Schoep, Professor de Coninck opposed the extension of the pharmaceutical curriculum. Twenty-five years of practical experience had shown him that the more surface was covered the less was the depth. If they were to add toxicology and bacteriology let them be special subjects, and entitle those who pass in them to a separate degree. M. Wefers Bettinck, a Dutch delegate, endorsed this view; and a Belgian pharmacien thought that the five existing pharmaceutical colleges of Belgium might be satisfactorily

malgamated into one, as was the case with the veterinary urgeons. M. Collard, of Marseilles, did not share his pinion.

Mr. Meyer declared that the discussion had become ational; and M. van Hulst said they were not called upon o formulate a programme for Belgium, but an ideal rogramme to be applied to all countries. After some bservations by M. Prunier on French, and by M. Schoep n Dutch, pharmaceutical degrees, a vote was taken.

M. de Coninck's observations on want of depth in educaion, and his statement that many pharmacists who passed ardly deserved their diploma, brought upon him the wrath f many of the Belgian chemists.

At Tuesday's general meeting M. Wefers Bettinck preided, in the temporary absence of M. Ranwez (who came in ater). The first business on the agenda was the reading of paper by M. Duyk on

The Valuation of Drugs and Galenicals.

M. Duyk chose as a motto for his paper the "Thought" of Pascal, "Man derives benefit, not alone from his own exerience, but also from that of his predecessors." He ointed out that the long and complicated processes of ygone generations of pharmacists had given way to rational odes of examination. Everywhere there was a marked endency towards uniformity in galenical preparations. uring the last fifteen years especially a great advance has een made in our knowledge of the active principles of rugs, and every new Pharmacopœia devoted more space to he purity tests for the remedies it describes. These tests, owever, were generally investigated and checked by only a ery small number of investigators. M. Duyk desired that harmacists as a body should pay more attention to these uestions, and he therefore suggested the unification of the ethods of analysing potent remedies and the processes of stimating their active principles. The author then proeeded to review at length the historical progress of the rt of analysis, and the value of some of the existng processes of isolating the active principles of drugs, alling particular attention to the discrepancies occurring n the publications relating to the presence of caffeine in ea, mainly on account of the different processes followed by he authors. He then gave several general rules to be ollowed in the selection of apparatus for testing. M. Duyk ave an interesting table, in which he compared the results btained by him in valuing certain drugs by Keller's method nd by a modification of Keller's method devised by himself, nd having the special advantage of doing away with much f the stirring, which tends to the loss of active material. Iost modern Pharmacopœias, with the striking exceptions f those of France and Belgium, give more or less detailed nstructions for the testing of the active principles of potent rugs, and in most of these instructions a certain general esemblance can be traced; but only very few Pharmacopœias ive a general method of valuation to be adopted with regard o all the potent remedies described in them. M. Duyk rew the following conclusions, which he submitted to the neeting in the form of a resolution: "The unification of he processes and methods of estimating the proportion of ctive principles contained in potent remedies is required in he interest of pharmaceutical progress. All Pharmacopœias hould indicate one or more analytical processes for the ssay of drugs and galenical preparations. These processes hould be as far as possible uniform and capable of general pplication. Pending the universal adoption of these views, commission should be appointed for the preparation of a odex of suitable analytical methods for assaying drugs and alenicals containing an alkaloid, glucoside, or other definite rinciple. These methods should be both simple and scienific. All 'approximate' methods of testing should be bolished as incompatible with pharmaceutical dignity and alculated to produce results injurious to public health and ikely to lead to confusion."

The discussion on M. Duyk's paper was initiated by M. Collard, who kept to his five-minutes' allowance for once. M. Schoep (Dutch) opposed M. Duyk's statement that the eactions by coloration were only approximate. The Nesslerisation of water for ammonia, for example, was very xact.

Mr. Wrenn (of Taunton) then made the first speech in English heard at the Congress. He thought it would be a great mistake not to adopt M. Duyk's proposition. The full action of drugs could not be judged by alkaloidal standard alone. Belladonna extract cannot be valued by the percentage of atropine. A plaster of atropine would not give the same result as the ordinary belladonna plaster. He also cited ergot and cinchona. The natural acids play their part as well as the alkaloids.

M. Wefers Bettinck translated Mr. Wrenn's speech for the benefit of the French members, and was helped in this worthy object by various volunteers who followed and corrected one another.

M. Duyk fully appreciated the remarks of Mr. Wrenn, but did not see his way to incorporate them in his resolution.

M. Duyk's motion was agreed to, paragraph by paragraph, up to paragraph 4. Paragraphs 5 and 6 were struck out. The discussion principally turned on the best way of organising the International Commission, and whether several national committees would not be preferable.

Mr. Crinon pointed out the danger of going too much into details in advance.

M. van Bastelaer repeated his warnings as to the inefficacy of International Commissions. In fact, roughly speaking, the older members drew from their experience numerous warnings, of which the younger ones seemed to take but little heed.

Speaking on paragraph 6 M. Wefers Bettinck said that all analytical methods were only approximate.

M. Duyk renewed his protestation that he only wished to lay down general lines. He accepted the suggestion to strike out the two last paragraphs.

M. Leon Gosset, pharmacien at Ixelles, read a paper

On the Regulation of the Practice of Pharmacy

from the point of view of general welfare. He described the condition of pharmacy in Belgium as extremely bad. The Act of 1876, cheapening University teaching, had produced a great over-supply of pharmacists. Price-cutting had further contributed to impoverish the profession. Few pharmaciens were able to save enough money to put themselves out of the reach of want in their old age and give their children a decent education. Yet the public welfare requires that the position of a pharmacist should be specially free from care and protected by the State. This is far from being the case, especially in countries where the practice of pharmacy is unrestricted. The Legislatures of most nations were not well disposed towards chemists as a class. The "*Strugglefor life*" (French words flow naturally from one's pen at a Congress where French is the official language) to which he was condemned left the poor pharmacist no time to cultivate the finer branches of his calling. It was different in the good old times. In the Middle Ages chemists were scientists, especially botanists. The first botanical gardens in France, in Germany, in Belgium, were the gift of pharmacists. To-day the pharmacist is a *négociant* pure and simple: *auri sacra fames* (how well a bit of Latin looks in a Congress paper) has swallowed up all other impulses. And again, *Homo homini lupus*: the pharmacien is the pharmacien's worst enemy. M. Gosset continued to speak of the official inspection of pharmacies, which he defended, and cast an eye over all Europe to discourse the laws of various countries relating to the separation of medicine and pharmacy, the limitation of pharmacies, of the management of businesses by persons other than the real proprietor, of mutual benefit societies, and dispensing by charitable

A Swedish Delegate: Mr. W. Sebardt, of Stockholm.

organisations, and of that nefarious creature, the herbalist, who has multiplied with great rapidity in Belgium during the past fifteen years, and who was genially described as the pharmacists' parasite. M. Gosset finished by proposing a resolution to the effect that the strict separation of medicine and pharmacy was absolutely necessary to secure a living to both doctor and pharmacist: that it should be illegal to carry on a business through a manager except in the case of a pharmacist's widow with a minor son who intended to qualify as a pharmacist; that the number of pharmacies should be limited in proportion to the population; that no benefit societies, hospitals, or charitable organisations should be allowed to dispense for money; that the herbalist should be abolished; and the establishment by the State of a school for training pharmacists in the science of rendering first aid to wounded.

This paper inaugurated one of the best debates of the Congress. The first topic dealt with was the combination of the functions of medicine and pharmacy. The question for decision was, Under what circumstances should it be permissible for the physician to undertake the duties of the pharmacist?

M. Collard (Marseilles) suggested that the French system should be adopted, which prohibits a medical man from supplying medicine to a patient unless the patient's house is at least six kilometres (about four miles) distant from the nearest pharmacy.

Another speaker thought that it would be better to take the population of the town as the basis for dispensing by medical men. He suggested 2,500 as the maximum population at which dispensing by doctors should be allowed.

M. Schoep spoke against any concession whatsoever. There was none in Germany, and no practical inconvenience resulted.

The Congress was not disposed to go this length, and ultimately adopted a somewhat vague resolution formulated by M. Crinon (who seemed to be the apostle of opportunism), declaring that the same person should not fulfil the continual functions of physician and pharmacien except in cases where the public welfare necessitated it. It was further resolved, on M. Crinon's proposition, that the proprietor of a pharmacy must always be a pharmacien, and that a widow should only be permitted to retain the proprietorship of a pharmacy, with a qualified manager, so long as should be necessary for her to dispose of the business. These conditions, M. Crinon thought, should be pressed upon the Legislatures of different countries.

Then the Congress took up the last proposal—the limitation of pharmacies in proportion to population. This question was debated with extraordinary vigour. Opinions were well balanced, four or five of all shades being generally expressed simultaneously. One speaker, who opposed the limitation, said it would result in the creation of hereditary properties, as had been the case with the profession of advocates and notaries public in Belgium. In Germany, he said, it was not rare for a pharmacy to change hands for 20,000*l*. Mr. Coelst (Laeken) was similarly in favour of liberty for the pharmacist to establish himself wherever he might wish. To set up a limitation would be a retrogression of centuries. No doubt there is a plethora of pharmacists, but limitation would not keep young men from adopting the career. The proper method is to render the course of study more difficult.

It would be of no service to give the arguments or the views of the many speakers in detail. In replying, M. Gosset urged the Congress not to allow specious arguments respecting the public welfare to lead them from the consideration of the true interests of pharmacy. Competition among pharmacists, he contended, resulted in bad drugs and charlatanism. To his mind the limitation of pharmacies was an essential to pharmaceutical progress.

At last a vote was taken, and after some ineffectual estimates were made it was declared that 32 members of the Congress voted for limitation, and 30 against, whilst 11 abstained.

International Pharmacopœia of Potent Remedies.

The report on this subject was submitted by Professor Remington, as Chairman of the Committee appointed at the Chicago Congress, consisting of Messrs. Carteighe (of London), von Waldheim (of Vienna), and himself, to organise the work indicated above. The committee stated was now in correspondence with representatives of vario nations relative to the appointment of a permanent co mission. The illness of M. von Waldheim had prevented t presentation of a full report, and the delay occasioned b the widely-separated locations of correspondents had add to the difficulties; but the committee expected to comple the work as soon as possible. The resolutions adopted Chicago under which the committee derives its authori were quoted. The above committee of three were authoris to add other members, selected by the Pharmacopœia Co missions of each country, and, in the event of the death resignation of either of the three members of the permane committee, the other two were to fill the vacancy th occasioned. The committee accepted with gratitude t gift of $1,000 proffered by the American Pharmaceutic Association to help defray the expense of compilin publishing, and distributing an International Pharmacopœ of Potent Remedies.

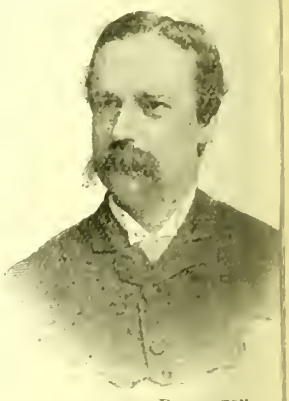
AN ENGLISH MORNING.

The first time that a really international character w given to the Congress was on the occasion of Professor Remington's paper read to the First Section on Tuesday morning. M. de Beul, of Antwerp, was Chairman of the section, and the English-speaking members of the Congress assembled in force. A fair proportion of Belgians and Frenchmen paid them the compliment of assisting at the Conference. Professor Remington's paper was ostensibly on

M. de Beul, Antwerp.

Pharmacopœial Revision; its Influence on the Relations of Pharmacists and Physicians.

He said he thought the occasion was an opportune o for the consideration of such a subject. During the nin teenth century the influence of pharmacy, shown in the construction of the committees selected by the various nations to compile and revise their national Pharmacopœias, had largely grown. In the early part of this century physicians alone framed Pharmacopœias, but its close witnessed the satisfactory spectacle of pharmacists and physicians labouring harmoniously together, as equals, in the preparation of these works. To the laity this condition creates no surprise, and the question might well be asked, "Why has it not always been so?"



Professor Remington.

The physician examines the patient and prescribes th remedy; the pharmacist prepares the medicine and deliver the prescription. It could not be supposed that the phar macist would be as skilful in prescribing as he would be i dispensing: neither could the physician be expected to dis pense medicines as skilfully as the pharmacist. Bot medicine and pharmacy are recognised the world ove as separate professions; both embrace men dis tinguished in their particular field of labour a experts. Then what could be more rational tha to select from both professions those best fitted, an assign to each portion that portion of the work best suite

to it? This simple proposition has been for a long time in abeyance, largely, it must be confessed, through an unreasoning jealousy on the part of physicians, perhaps also through a lack of confidence in the ability of pharmacy to hold an equal position and influence with medicine in the work. The pharmacist and the physician of the old school are still in evidence in all countries; the former may still be heard doubting the possibility of ever receiving recognition at the hands of the medical profession; while the latter, in the patronising spirit to which he has long been accustomed, dogmatically asserts that the profession of medicine embraces all the talent and ability necessary to frame a Pharmacopœia. Fortunately more modern ideas are now in the ascendant, and it is freely acknowledged that the modern Pharmacopœias, embodying the researches of chemists, botanists, pharmacists, pharmacognosists, therapeutists, and other specialists, are works of authority suited to our age, and incomparably superior to the Pharmacopœias of fifty years ago.

In the countries of the old world class distinctions still form a bar of no mean proportions, and he who engages in mercantile pursuits (no matter how honourable) must yield place and influence to one who earns his living by what is termed "professional" work. In America (which should stand as the representative of liberty) no such distinction should be recognised, and possibly there is less disposition there to resist the co-operation of the two professions; but America has been largely peopled by those who have gone out from European countries, and notwithstanding the spirit of social equality which theoretically exists, the spirit of European class distinction is not wholly obliterated. Equality in representation and influence in pharmacopœial revision has existed in America for possibly fifty years, and at the last two revisions of the U.S. Pharmacopœia the pharmaceutical representation in the final committee of revision has been slightly in the majority. Other evidences of co-operation between the two professions were quoted. The American Medical Association, for example, has for many years invited the American Pharmaceutical Association to send a delegation of twenty-five members to meet with them in a section especially created, termed "The Section of Medicine, Pharmacy, and Therapeutics." In Pennsylvania the State Medical Society last year invited the State Pharmaceutical Association to take charge of an exhibition held in connection with the meeting. The invitation was accepted, and more than a thousand specimens of preparations representing the newer formulas from the National Formulary were distributed, the object being to induce physicians to prescribe preparations which could be made by any intelligent pharmacist in the country, the formulas and processes being accessible to all. Professor Remington said, however, that he did not wish to convey the impression that proprietary medicines do not have a large sale in America; but he believed this co-operation, if persisted in, would go far towards curtailing the use of secret and unscientific medicines.

Why then is it not possible to introduce the same principle into other departments of scientific activity germane to both professions? Not that pharmacy and medicine should both be practised by the same individual; that would be retrogression. But was it too Utopian to entertain the idea of a society (international, if you will) composed of physicians and pharmacists—the physicians on the one hand pledging themselves never to prescribe a remedy whose chemical or pharmaceutical composition is unknown, and the pharmaceuticals pledged to confine their labours solely to dispensing preparations whose composition is not secret, and medicines which are not proprietary. Was it not possible to construct a materia medica which, when properly used, can be depended upon to effectually combat, or at least mitigate, disease, and yet exclude remedies whose constituents are unknown? The boast that many physicians make that "they do not care how the medicine is made, so long as it accomplishes results," is empiricism of the rankest kind.

How can medicine ever claim to be a science while such a doctrine is held? Of what use are physiological investigations in the laboratories of our Universities? Of what use are the magnificent researches of our chemists who are for ever probing Nature to reveal truth and publishing their results to the world? Of what use are the labours of the pharmacists of this century who have filled the pharmaceutical journals of the world with the records of their improved processes and formulas for preparations which are free to all?

It is not likely that any organisation could effectually prevent the sale of proprietary medicines to the public, but if such a society as had been indicated could be formed, we should be spared the degrading spectacle of certificates written by titled and distinguished physicians in our public newspapers indorsing proprietary nostrums. The pecuniary success attending the sale of proprietary remedies is, and will always remain, the great inducement for their manufacture and sale, and a great outcry would be heard if means were taken to prevent their sale or diminish their number. But in our great cities, since the mammoth department stores have absorbed the business of dispensing to the public a large number of the cure-alls, there are many pharmacists who, finding their profit reduced to nothing, are ready to listen to any plan which will relieve them of keeping stocks of profitless merchandise. Is it not within the province of this Congress to inaugurate a movement to curtail the sale of nostrums, place pharmacy on a higher and more scientific level, and invite the co-operation of the best element in the medical profession to assist in the work?

After a brief *résumé* of the paper had been given in French, the Chairman formulated the proposal of the projected association as the subject of discussion. Some explanations had to be given to the French-speaking members, and then

Professor Tichborne rose. He said the spirit of jealousy which Professor Remington had alluded to did perhaps once exist, but he thought it was declining. He could speak with some authority in regard to the British Pharmacopœia. He was a member of the General Medical Council—the body authorised to prepare the Pharmacopœia—and at the same time he was in close touch with pharmacy as a member of the Council of the Pharmaceutical Society of Ireland. He had worked on the Pharmacopœia Committee, and he explained how the Medical Council had invited the assistance of the Pharmaceutical Society of Great Britain, and he declared that the work of the two sections had been carried on throughout with the utmost harmony. Alluding to the suggestion of international committees, he mentioned a difficulty which had come before the Pharmacopœia Committee—namely, the different action of drugs in different climates. For this reason he mentioned that it was intended to issue a supplement to the British Pharmacopœia specially adapted to India and the colonies.

Mr. Wrenn said the question of the advancement of the pharmacist had long been a burning question; but he urged that the way to proceed seemed to be to establish an equal Preliminary education for both.

M. Petit spoke at length, chiefly in reference to the proposition of Professor Remington that an association of pharmacists and physicians should be formed to suppress specialities. He would agree with that proposal so far as it was intended to suppress charlatanism; but there were many good specialities. He also named certain medical societies in Paris which admitted pharmacien members. He had himself advocated, at the London Congress in 1881, that the studies of medical men and pharmacists should be the same up to a certain point. This was the case in France.

Mr. A. C. Wootton (of London) said he understood that this Congress was asked to commit itself to a proposal that a society should be formed, consisting of physicians and pharmacists, the former to pledge themselves never, under any circumstances, to prescribe a secret remedy. Had not the distinguished author of this proposal allowed his zeal for pharmaceutical progress to ontrun his care for the public welfare? It was a fact that some found—or thought they found—results from certain secret remedies which they could not get from the Pharmacopœia imitations of these. He instanced the case of Himrod's asthma-cure being prescribed for the late Lord Beaconsfield; and asked Professor Remington if he thought that the physicians who prescribed that preparation, because they found it give relief better than anything else they knew of, would have been justified in withholding it because they did not think secret medicines were compatible with the progress of pharmacy?

Professor Remington, in replying on the discussion, thanked the section for the courteous reception which had been given to his paper, and the committee for having given the English-speaking members the opportunity of this discussion. He did not expect that this proposal could be carried out at once, but he wanted it to go on record that it was desirable that such an association should be established. If secret remedies had been prescribed for the Earl of Beaconsfield, he was sorry for the Earl. Perhaps that hastened his decease. Until pharmacy can separate itself from secret medicines, he declared (in a peroration of the genuine Marseillese type), it can never be a science, and will never be on a true professional basis.

On the suggestion of M. Petit, the proposal was modified to a mere pious opinion declaring the desirability of pharmacists and physicians co-operating in various ways, and in this form it was carried.

THE FETES AND EXCURSIONS.

Perhaps never before have pharmacists had such a week's work of enjoyment as the Organising Committee set them on the occasion of this festival. The visitors, however, made their selection of the entertainments they accepted. The Secretary (M. Duyk), the President (M. Ranwez), and some of the other chief organisers were scarcely at liberty to choose. As a matter of fact, they were everywhere. The Secretary had received and written letters veritably by the thousand. The Congress had involved an enormous amount of preparation and interviewing, and as M. Duyk was the only chief official residing in the capital, the work fell mainly on him. We have already described the day's proceedings of Saturday. On Sunday the Congressists were invited to spend the morning at Anderghem, a suburb of Brussels, and were received at the works of Messrs. Vandenbroeck & Co., where the whole manufacture of cotton-wool and antiseptic dressings was shown and explained to them. The works, we may say, are not usually opened on Sundays; on this occasion the staff was specially asked to be at work. After the works had been inspected the visitors were invited into the garden, where champagne, biscuits, and cigars were served. On Sunday evening the officers of the Congress invited the visitors to meet them at the *Chien Vert*, which is the most famous resort in Old Brussels, or "Bruxelles-Kermesse" as it is called at the exhibition. There a "raout" (which always seems to mean champagne and other refreshments) was organised; a concert followed, and, afterwards, a stroll through the gardens. On Monday sight-seeing started at 7.30 in the morning with the sewers; in the afternoon visits were arranged to the School of Pharmacy, the Municipal Laboratory, the Law Courts, and the Museums. At 6 P.M. the Royal Society of Pharmacy of Brussels received the Congress in "solemn seance" in the rooms of the Union Syndicate at the Palace of the Bourse. The President read a record of the work done by the Society since its foundation in 1845, and the honours conferred upon many of its members. M. Ranwez, on behalf of the Conference, congratulated the Society on the distinguished position it had attained, and the Secretary read the names of a number of Belgian and foreign pharmacists present who had been elected honorary members of the Society. Then the President invited the assembly to a *vin d'honneur*, which meant more champagne. There was time for dinner between this reception and a very grand one in the *salons* of M. de Favereau, the Minister of Foreign Affairs. The pharmaceutical guests, it appeared, were associated in this reception with the distinguished colonial representatives, who were also in Congress at Brussels at the same time, so that it might almost be said that "Belgium's capital had gathered then her beauty and her chivalry." Many of the other Ministers were present on the occasion, and the opportunity of getting so high up in the world was much enjoyed by all the pharmacists present. On Tuesday the work was all put through in good time, so as to allow the Congressists to accept a special invitation to the Colonial and Congo Exhibition at Tervueren, where lunch and a musical *fête* were provided by M. Coart, pharmacien, sous-intendant of the Congo State. Sectional and scientific work were suspended on Wednesday to allow of a trip to Antwerp. There the Society of Pharmacy were the hosts, and had engaged the yacht *Emérand* for a trip on the Scheldt, and provided a lunch. In the evening tickets were offered to a representation at "the Olympia of London." On Thursday all the business had to be finished, and the proceedings were to be wound up with a grand banquet, the report of which must be deferred.

M. Denayer, Brussels.

M. Jérome Feltin.

AS AN INTERNATIONAL CONGRESS.

From the point of view of internationalism the Eighth Congress can hardly be described as a success. For some reason the Germans, who first began these Congresses, seem to have agreed with one consent to drop them. Up to the end of the meetings on Tuesday not a word of German had been heard by anyone at any of the meetings. The few English present, led by the American delegates, gave a spice of variation to the discussions occasionally. It is right to say that they were always listened to with hearty goodwill. It is certainly not the fault of the Belgian organisers that the international character of the Congress has subsided. The Pharmaceutical Society of Great Britain seems to be entirely unrepresented, unless the editor of its journal may be regarded as its delegate. It is, we think, to be regretted that the Congress should have been so ignored by the official of British pharmacy. The Belgians, having made such laborious preparations, were entitled to at least a hearty recognition by their near neighbours across the channel. Dr. Power, of the Wellcome Research Laboratory, Mr. W. A. Wrenn, of Taunton, and the editor of The Chemist and Druggist appear to be the only other representatives of Great Britain who have put in an appearance up to Tuesday evening. Ireland makes a better proportionate show by sending Professor Tichborne and Dr. McWalter. The two Americans here, Professor Remington, of Philadelphia, and Mr. Alfred Meyer, of New Orleans, are "delegates" in the fullest sense. They both carry documents signed by Minister Sherman, and decorated with a red seal the size of a cheese-plate, expressly nominating them to this distinction. Mr. Meyer is, however, more a Frenchman—in language, at any rate—than he is English, indeed, he used to be in the laboratories of the Pharmacie Centrale, Paris. Dr. Power is associated with them in representing the U.S. Government. Mr. Kline, of Philadelphia, also attends, and Mr. L. J. Hunt of Hot Springs, Arkansaw, but neither has taken part in the meetings. We might claim Mr. Ambroise Delacre, of the famous Pharmacie Anglaise of Brussels, as another

resentative of the English-speaking race, but as he is one of the organisers of the Congress, and a very prominent man in the commercial life of Brussels, it is probable that the Belgian claim to him is more just than our own. Mr. Ambroise Delacre is one of the Judges of the Commercial Court of Belgium, an office to which a certain number of the most esteemed men connected with business are elected every three years, and by whom all commercial cases are tried. France sends quite a fair number of delegates, among whom are M. Petit, the

Mr. Ambroise Delacre.

sident of the Association Générale des Pharmaciens de nce; M. Adrian, the head of the great manufacng house of that name; M. Crinon, the editor of the *ertoire de Pharmacie*; M. Collard, the energetic free-lance n Marseilles, and others. M. Petit has probably scored distinction of speaking more frequently than anyone else. re are a few gentlemen from Holland; two, we believe, n Italy; and one, it is said, from Mexico. The Belgians mselves are almost all delegates from some society or ther—Antwerp, Ghent, and Liège, are the cities best esented. The President of the Congress, M. Ranwez, is professor at Louvain, comparatively young, and a very active personality. Mr. Van Bastelaer, who presided the last Congress at Brussels twelve years ago, takes irly prominent part in this one. But he seems to be the one of the distinguished pharmacists who made that gress memorable. We miss M. Creteur and M. Gille, were notable orators, and Mr. Van der Weyde, the retary of that Congress, though we believe all are living. present President of the Brussels Pharmaceutical iety, M. Derneville, takes rank with them in the power t he can throw into his speeches.

he sectional meetings were often amusing. A freer nce of debate was permitted in these than in the more nal plenary assemblies, and earnestness often advanced y near to passion. One of the most persistent of the aters was a Belgian pharmacien, a M. Collin. He was ays on hand at the "plenary assemblies," and if there an interesting sectional meeting his presence might be ty surely depended on. He brought with him supplentary papers on most of the subjects discussed, and erally rose as soon as the leading paper had been read. reliminary dispute with the Chairman was soon followed a general wrangle with the audience, who did their best suppress M. Collin. Then he would put aside his written per and develop his ideas with much fluency and, notwhstanding much provocation, with invariable good per. Our space will only allow this general allusion to Collin's contributions to the discussions.

The Subjects Discussed.

s has been already stated, the work of the Congress s divided into six sections, the first of which was always most popular. It dealt with "Legislation and Prosional Interests," and drew to itself most of the subjects which the pharmaceutical *savants* of the Continent are st interested. Section 2 also had some good papers. Its proper function was to discuss practical pharmacy, pharmaceutical chemistry, and Pharmacopœias. It dealt largely with questions of prescriptions and dealings with prescribers. That the line of demarcation was not very clearly drawn will be evident from the circumstance that Professor Remington's paper found its way into the first, and not into the second section, which seemed to be its proper home. Food-stuffs (*denrées alimentaires*) were considered in Section 3. Belgium has sixty food-inspectors appointed by Government (one half of them pharmaciens), so that the analysis of foods has a certain special interest for pharmacists there. Section 4 covered hygiene, Section 5 bacteriology, and Section 6 toxicology; but neither of these attracted much attention. Certain important papers were read in plenary assembly, though there did not seem to be any guiding principle on which these were selected.

It was curious to note how the once burning desire for an International Pharmacopœia, which was the *raison d'être* of the first Congress, has died away. Two or three belated gentlemen sent papers with the same old arguments in favour of such a work, and Professor Remington, in a report emanating from himself, Mr. Carteighe, and Mr. von Waldheim, of Vienna, reminded the rest of the pharmaceutical world that he and his two colleagues had been solemnly appointed at the Chicago Congress to prepare an International Pharmacopœia of Potent Remedies. We fear that the pharmaceutical world had almost forgotten this important commission. The report seemed to indicate that substantially nothing had been done during the past four years, though, in justice to the other two members of the commission, it should be stated that their Austrian colleague has been kept from active work by serious illness.

Far and away the most prominent topic of the Congress was "the speciality." The earnestness with which French and Belgian pharmacists discuss this subject is astonishing, in view of their scientific proclivities, and is an index of the large proportion of their business represented by the trade in these products.

We shall endeavour to find room in a future number for some of the practical papers read at the Congress—for there were such—but it must be admitted that these were of less concern to the majority of the members than subjects related to commercial interests, and that both were, perhaps quite properly, overshadowed by the social courtesies and gaieties which were crowded into the six days of the Congress.

The Laureates of the Congress.

It may be remembered that the organising committee of the Congress offered medals and diplomas to the authors of papers of scientific value from all countries. We gather that the competition was not as brisk as was hoped, but we hear that the committee has recommended that medals and diplomas shall be awarded for the three following works:—

"A Treatise on the History of the Alkaloids, Ptomaines, and Leucomaines." By M. Huart, Pharmacien, of Louvain (Belgium).

"On the History and Evolution of Remedies from the Earliest Ages to the Present Day." By M. Pruys, of Herne (Germany).

"On the Value of Chemical Standards applied to the Analysis of Essential Oils." By W. A. Wrenn, F.C.S., Taunton (England).

The essays are expected to be submitted on Thursday (we cannot find room for Mr. Wrenn's this week); but it is certain that there will then be neither time nor inclination to discuss them. Next week we hope to be able to give a reduced facsimile of the artistic diploma which has been designed for the occasion.

Legal Reports.

ARTIFICIAL CAMPHOR.

In the Queen's Bench Division on August 12, before Mr. Justice Wills, Mr. J. E. Tennison Woods, 38 Chantry Road, Stockwell, S.W., brought an action against the Crystal Manufacturing Company (Limited), 4 Tokenhouse Buildings, Moorgate Street, to recover a sum of 143*l.*, balance of salary which he claimed to be due to him from the defendants as a technical engineer. Plaintiff stated that in August, 1896, he was engaged at a salary of 5*l.* a week—2*l.* a week to be paid and the rest to accumulate until apparatus for manufacturing artificial camphor by a process he had invented should be erected. The works were completed and at work early in September. During 1896 2*l.* a week was paid, but from about March 6 to May 29, 1897, nothing was paid. Upon the latter date upon going to the works he found them closed, and had not been there since, nor had he received any notice terminating the engagement. The defence was that the plaintiff was only to receive 5*l.* a week in the event of his enabling the defendants to manufacture artificial camphor from which good marketable celluloid could be made, otherwise he was only to receive 2*l.* a week. Plaintiff never enabled the defendants to make such camphor. The plaintiff, on the other hand, said that there never was any such arrangement, although he had in fact enabled the defendants to make the camphor. No proper plant for manufacturing celluloid was, however, erected by the defendants. Mr. Justice Wills, in giving judgment, said that he had come to the conclusion that the defendants' version of the terms of the plaintiff's engagement was the correct one, although the evidence was conflicting. On the other hand, the plaintiff had enabled the defendants to manufacture an artificial camphor from which good marketable celluloid could be made. There must be judgment for the plaintiff for 5*l.* a week to the end of April, amounting to 121*l.*

THE "SECRET" OF YORKSHIRE RELISH.

Mr. Justice Byrne, sitting as the Vacation Judge on Wednesday last, was asked by counsel for Mr. William Powell, trading as Goodall, Backhouse & Co., of Leeds, to restrain one Flather, said to be a lodger in a small house at Chorlton-on-Medlock, Manchester, from advertising or offering for sale the alleged "secret" of making "Yorkshire Relish," which, it was plaintiff's case, he had made for forty years past from a recipe of which he was the sole owner, and he believed its components were known only to himself and to confidential employés. The defendant had advertised this secret in No. 9 of a series headed "Trade Secrets," and professing to reveal the constituent parts of patent medicines, &c., the cost of this particular recipe being 1*s.* 6*d.* Plaintiff caused a copy to be obtained, and found that it did not resemble his secret, and was calculated both to defraud the public and to injure a trade which it had taken him forty years to assist in building up, at a cost in advertising of 40,000*l.*, the make now extending in some years to from five to six million bottles. Mr. Justice Byrne, finding defendant did not appear, on the affidavits of plaintiff and others in support of his case, granted the restraint asked for.

COUNTY COURT CASES.

No Jurisdiction.

At Doncaster County Court on August 12, Mr. Hopkinson, chemist, Doncaster, sued Mr. Pitts, grocer, Bradford Moor, for 6*l.* 9*s.* 7½*d.* for fly-traps sold and delivered. The defendant's counsel objected to the jurisdiction. Mr. Cams, a witness for the plaintiff, stated that some of the goods had been ordered through the post, and he was not aware that there had been any dispute as to the number of fly-traps supplied. The defendant deposed that he arranged with Mr. Drake, the plaintiff's traveller, to send 10 gross of fly-traps in place of a smaller number previously ordered, which had been done, but his account had not been credited with the first lot. Defendant's counsel being unwilling to waive the question of jurisdiction, his Honour stopped the case, remarking that he had no jurisdiction.

Cattle-medicine.

At the Holsworthy County Court last week, before Ju Granger, William Daniel, farmer, Youlden, Holswor was summoned by Messrs. Day & Son, cattle-medic manufacturers, of Crewe, for 5*l.* for a chest of medic Mr. Manley, in the employ of the plaintiffs, stated that firm had a stand in the show-yard of the Holsworthy agri tural show in June, 1895, and in the course of the day defendant visited the stand, and gave an order for the g supplied to his assistant, who was not now with the firm. Peter, for the defendant, said that his client visited stand in the show-yard with a friend, and plaintiffs' re sentative pressed the defendant for an order, which declined to give. He, however, intimated that if plain had an agent in the district he would take a bottle or from him as he wanted it. To his surprise a box of medic came to him shortly after this, but he refused to accept, and the box, so far as he understood, had remained at stables of the Stanhope Hotel ever since. His Honour judgment for the defendant, with costs.

SALE OF FOOD AND DRUGS ACT.

The Reserved Sample.

On Monday, during the hearing of a summons against a dairyman named Gravestock for milk adulteration, be the Eastbourne Magistrates, the utility of the reserved sa came into relief. In the course of the evidence for prosecution, it transpired that the Sanitary Inspector unable to produce the sample retained by himself, bec the bottle had burst. The broken portions of the b were produced a week previously, when the case first c up for hearing, and as the adjournment was taken to suit convenience of the defendant, the prosecutor claimed tha was entitled at that adjourned hearing to credit for ha so far complied with the statute on the first occasion. Ricketts, for the defendant, submitted that the inspec sample as thus produced was unfit for analysis, and that production under these circumstances was not a compli with section 25 of the Sale of Food and Drugs Act. Fovarque, the town clerk, argued that the prosecution done their best to fulfil the requirements of the statute; breaking of the bottle was an accident. Mr. Rick objected that the statute made no provision for any acci of this description: and, as to what the prosecution done to comply with the Act, he submitted that the sa might have been put into a stronger bottle. The Mayor the Magistrates were not in a position to dispute the p raised by Mr. Ricketts. They had no doubt that the sta had not been strictly complied with, and the case wo therefore, be dismissed.

Bankruptcies and Failures.

Re Alan McConnel, Sowerby Bridge, Chemist.

The adjourned public examination of this debtor was before Mr. Registrar Stansfield at the Halifax Bankru Court on Monday. The debtor presented certain ame accounts, and stated he could not produce anything furt He said that whilst in London he had 15*l.* stolen from pockets in the Strand, but did not inform the police, a had failed to take the numbers of the bank-notes. debtor was allowed to pass.

Re George William Stones, Livesey, near Blackbu and formerly of Lancaster, Chemical-manufacturer.

The public examination of this debtor was held at Bl burn on Wednesday. He stated that he was a solicitor, had not practised for some years. He started in the chem business in 1890 with 300*l.* capital, and had besides a 12,000*l.* in property, exclusive of a post-nuptial settlen made by his father. The interest, which now ceased account of his insolvency, was about 200*l.* a year. chemical business which he entered was an existing carried on by Mr. Frank Coddington and a friend. debtor and his cousin bought shares, and ultimately he

the concern. The Official Receiver having questioned debtor at great length concerning his dealings with in deeds relating to property, the examination was er adjourned.

G. S. SUTTON, 31 Stoke Road, Gosport, Chemist and Druggist.

E first meeting of creditors was held on Tuesday at the s of the Official Receiver, Portsmouth, before Mr. J. Hunt, Assistant Official Receiver. The summary of r's statement of affairs shows gross liabilities amounting 0*l.* 2*s.* 5*d.*, expected to rank, 290*l.* 1*s.* 3*d.*; and assets, rising cash at bankers, 1*l.* 2*s.* 4*d.*; cash deposited solicitor for costs of petition; stock-in-trade (estimated oduce 15*l.*), 10*l.*; trade-fixtures, fittings, &c., 10*l.*; ure, 15*l.*; total, 46*l.* 2*s.* 4*d.*; book-debts: good, 13*s.* 3*d.*; ful, 5*s.* 3*d.*; bad, 6*s.* 6*d.* Less preferential claims, /*s.* 2*d.* Net assets, 36*l.* 14*s.* 5*d.*; deficiency, 253*l.* 6*s.* 10*d.* lleged cause of failure: "Want of capital in starting, f profit and trade through competition, borrowing from paying excessive interest to money-lenders." The l Receiver states that the bankrupt, after being em- l as a dispenser for twenty years, took over in June, his father's business at 31 Stoke Road, Gosport. The ss had fallen off considerably, and the debtor had no l. He subsequently borrowed from money-lenders. ifficulties increased, and it was only with his earnings dispenser that he kept the business going. The only in use are a cash-takings book and debtors' ledger. er was made. Creditors:—

	£	s.	d.
Burns, J. G., Weymouth	28	12	0
Bradford Union Advance Bank, Bradford	15	0	0
Blake, G., Gosport	16	14	0
Hodgkinson, Prestons & King, London ...	25	15	7
Johnson, M., Weymouth	49	0	0
Kirkwood, Birmingham	15	0	6
Mackey, Mackey & Co., Bermondsey ...	19	2	6
May, Roberts & Co., London	10	2	4
Martin, C. H., Gosport	10	13	10
Palmer, E. T., Gosport	10	0	0
Smith, W. B., Gosport	22	0	0
Smith, S., Gosport	21	0	0
Savage, A., Gosport...	10	0	0
Vine, J., Landport	10	19	0
Wilson, J., & Son, Gosport...	11	11	1
Preferential.			
Rent	10	12	0

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e ROBERT AUSTERBERRY, Southgate, Pontefract, Liquorice-refiner.

T examination of this debtor, particulars of whose l we have already published, was resumed at Wakefield ursday, August 12, before Mr. Registrar Mason. Mr. a Lowden and Mr. Smith, solicitors, appeared for is creditors. Questioned by the Official Receiver (Mr. l), debtor said that Mr. Kitchenman, his late partner t liquorice-refinery, sold goods whilst he (debtor) was a travelling, and went off with the proceeds, leaving b to pay a lot of debts he had incurred. He had paid t nman 2*l.* a week out of the business. The examina- n as further adjourned until October 7.

EORGE HANDEL OPENSHAW, formerly carrying on b ness with Mr. Bootle as a Chemist and Druggist in D ven Street, Blackburn.

T adjourned examination of this debtor was resumed at e ackburn Bankruptcy Court on Wednesday, when the fi l Receiver and the solicitor for the trustee complained at e bankrupt had not supplied a proper statement of his c ts, and they suggested that he was disregarding the d of the Court. Mr. Broadbent, on behalf of the debtor, at that he had done everything a man could reasonably e ected to do. He placed his affairs in the hands of a a red accountant, who had had *carte blanche* in the pre- ra ns of the account. There were difficulties in the way, c e the debtor was living in Notts and his accountant in Blackburn. Further, the debtor had no books. He had gone through a searching examination, and it was hardly fair to suggest that he had not attempted to give all the information he possibly could. After some further discussion the Official Receiver questioned the debtor, who said he was now earning 2*l.* 5*s.* per week. Ultimately the case was adjourned until October, the debtor to be supplied meanwhile with the particulars required.

Gazette.

PARTNERSHIP DISSOLVED.

Curtis, W., and **Falkner, B. F.,** under the style of Curtis & Falkner, Shalford, near Guildford, surgeons and general medical practitioners.

THE BANKRUPTCY ACTS, 1883 AND 1890.

RECEIVING ORDERS.

Rainsford, George, and **Cartwright, Frank,** trading as Rainford & Cartwright, Erdington, mineral-water manufacturers.

Rees, Llewellyn Vesper, trading as Rees & Co., Bristol, chemist.

ADJUDICATIONS.

Marriott, Henry, Leadenhall Street, E.C., and Aberdare Gardens, West Hampstead, N.W., South African merchant.

Williams, John, Pontypool, chemist and veterinary surgeon.

Deed of Arrangement.

Ainsworth, Benjamin, 46 Whalley Banks, Blackburn, chemist. Trustee, Thomas Waterworth, Victoria Street, Blackburn, accountant. Dated August 7; filed August 13. Secured creditors, 20*l.* 18*s.* 4*d.*; liabilities unsecured, 259*l.* 13*s.* 5*d.*; estimated net assets, 129*l.* 1*s.* 8*d.* The following are scheduled as creditors:—

	£	s.	d.
Bankers' claims	45	0	0
Bleasdale (Limited), York	11	0	0
Hindle, J., Blackburn	38	0	0
Law, W. H., Blackburn	20	0	0
Woolley, Sons & Co. (Limited), Manchester ..	15	0	0
Wyleys (Limited), Coventry	19	0	0

Medical Gleanings.

WHEN IS WHOOPING-COUGH INFECTIOUS?

DR. WEILL, a French practitioner, states, after several years' observation, that infection is contracted from children who have not yet begun to whoop, and infection ceases soon after the characteristic whoop commences. It follows that in a family it is not the patient who is already whooping who ought to be isolated, but his brothers or sisters who have not previously had whooping-cough.

SEA-SICKNESS.

A FACT that tends to support the view that sea-sickness is of cerebral origin is that if you put the head flat down it tends to prevent sea-sickness to a great extent. You can also greatly lessen the tendency to sea-sickness by giving drugs which will quiet the medullary centre: bromide of potassium is exceedingly useful for this purpose. The way in which I use it is this: I take with me in a little paper parcel about ½ dr., or 1 dr., of bromide of potassium. When on board I go to the steward and say, "I want a bottle of soda-water and a large tumbler." I throw in the bromide of potassium, shake it up, and drink it. This keeps one quiet and comfortable—at any rate, while crossing the Channel. You need not be at all afraid of bromide of potassium, and you can keep up its action during a long voyage across the Atlantic; and you can push it so far that the patient becomes quite drowsy without doing him any harm whatever.—Dr. LAUDER BRUNTON: "Lectures on the Action of Medicines."

C

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No. 2 Pure CRUSHED LINSEED	14/ ✠ cwt.	No. 1 Finest Light Pure PRECIPITATED CHALK	25/ ✠ cwt.
BEST CLEANED LINSEED	15/ ✠ cwt.	No. 2 Pure PRECIPITATED CHALK	21/ ✠ cwt.
No. 1 Finest Pure FULLER'S EARTH (Light Colour)	15/ ✠ cwt.	"WHITE EARTH" Specially prepared for Toilet purposes.	18/ ✠ cwt.
No. 2 Pure FULLER'S EARTH	12/ ✠ cwt.	Finest Pure TOILET OATMEAL, SPECIAL	/3 lb.
Pure LIQUORICE	/10 lb.	Best Pure ARROWROOT	/9 lb., in tins.

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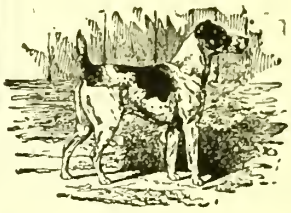

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Editorial Comment

TORONTO.

"The Place of Meetings" is the capital of Ontario's meaning. So Sir John Evans happily recalled when he presidentially addressed the members of the British Association there on Wednesday evening. This is the second occasion that the Association has met in the Dominion, the first being in 1884, when Lord Rayleigh was President, and the meeting-place was Montreal. Since then science has progressed much, and the British people more. Sir John Evans linked these two interests when he said that there is in all

bability, nothing that will tend more to advance the mon interests of all the Queen's subjects than the usion of science in all parts of the British Empire. Thus king a keynote fitting to the times, the President of the ociation proceeded to gather under one umbrella the ole Anglo-Saxon race, and after referring to the citous relations between the American Association of ence, whose members are participating in the Toronto ting, said:—

o such a meeting the term "international" seems almost applied. It may rather be described as a family gathering, in h our relatives more or less distant in blood, but still inti- ely connected with us by language, literature, and habits of ght, have spontaneously arranged to take part. The domain ience is, no doubt, one in which the various nations of the ised world meet upon equal terms, and for which no other port is required than some evidence of having striven towards advancement of natural knowledge. Here, on the frontier een the two great English-speaking nations of the world, who ere that does not inwardly feel that anything which conduces intimacy between the representatives of two countries, both em actively engaged in the pursuit of science, may also, gh such an intimacy, react on the affairs of daily life, and n preserving those cordial relations that have now for so y years existed between the great American Republic and the sh Islands, with which her early foundations are indissolubly ected?

r John Evans is a man of exceedingly varied talents. many years he has been Treasurer to the Royal Society; know that he is an ex-President of the Society of nical Industry; he is Vice-President of the Society of quaries, and a Secretary to the Geological Society; he has national and university honours such as are by few engaged in commerce, as he is. On many sub- he could speak, but he chose to declare that his on to the President's chair was a recognition of the ce of archæology, and to that subject he devoted his ss. It was in no sense a popular address, for, after he ot into the heart of the subject, he stuck rigidly to facts n are known only to archæologists; but his preliminary that all the sciences help archæology more or less has a ation about it which justifies the attention of chemists. owed, for example, that the astronomers of to-day rom data deduced from stellar observations, verify the ation of Greek and Egyptian temples, and so orate historical records of their foundation can tell, for example, that a particular star a certain position in the heavens 3,000 years ago, and axis of a Greek temple was directed towards that spot, he temple must have been erected approximately 1,100 B.C. Chemistry is as a great help to the archæologist as llet has proved it to be to the historian (by his ches on Chaldean implements); and Sir John Evans d out that "by its means we are able to determine er the iron of a tool or weapon is of meteoritic or ic origin, or has been reduced from iron ore, in which nsiderable knowledge of metallurgy would be involved part of those who made it. With bronze antiquities ture and extent of the alloys combined with the copper row light, not only on their chronological position the sources whence the copper, tin, and other metals ch they consist were originally derived." So also with to other branches of science. Even the biologist and copist are now able to materially assist the archæologist ng him facts to work upon. Had Sir John Evans d his address solely to this fascinating topic it would been much more popular, but he chose—perhaps, from the archæologist's standpoint—to devote the portion of his remarks to the history of man. We follow him into this region, but the theme of his s may be put briefly thus: The cradle of the human ll not be found in Northern Europe, but in the tropics, and since by far the greater proportion of archæological knowledge has been acquired by researches in non-tropical countries, it follows that we shall only get the truth as our knowledge of oriental archæology increases. Prehistoric man was a naked animal, therefore must have lived in the vicinity of the equator, and we must seek there for relics of him.

The sectional work began on Thursday, so that we are unable to refer to it fully this week. We may, however, state that Professor Wm. Ramsay, President of the Chemical Section, spoke on "An Undiscovered Gas." In this he dealt with the systems of arranging elements in groups, as suggested by Döbereiner, Newlands, Lothar Meyer, and Mendeléeff; then went on to speak of the position of argon and helium in the periodic scale, this leading to a consideration of the anomalous characteristics of helium which preclude the possibility of it being anything else than helium *per se* with a small proportion of argon and an undiscovered gas. What that is is given to chemists to find out. There was much else of a suggestive character in Professor Ramsay's address, but these matters, and other sectional addresses, we must reserve for consideration later.

A CHAPTER IN THE COMMERCIAL HISTORY OF RHUBARB.

The railway-schemes of the Russian Government, which will in a few years' time carry a Russian railway line into the heart of China, and the general advance of Russian influence on the northern and eastern borders of the Chinese Empire, make it very probable that early in the twentieth century some portion of the Chinese produce now carried by steamer from the treaty ports of China to the European centres of production will be deviated to the overland route through Siberia. The freight by the overland route must necessarily be an obstacle, but need not be an insurmountable one, and it is quite likely that some of the old caravan-roads may be used until a point where they strike the railway. The caravan commerce between Russia and China has been an important one for many generations. At one time, as readers of "Pharmacographia" will remember, the rhubarb seen in European commerce was almost entirely carried from China through Persia and Asia Minor (hence the old name of Turkey rhubarb), but later on it was brought through Northern China, Siberia, and European Russia to St. Petersburg. The history of the old Chinese-Russian rhubarb trade is almost forgotten now, but some interesting accounts of it are to be found in one or two rare books of travel. The principal of these, and the one from which most of the details given below are derived, is Pallas's "Reise durch Verschiedne Provinzen des Russischen Reichs" (St. Petersburg, 1771). Much information is also contained in the Archives of the old "Free Russian Trading Company," at Moscow. Pallas resided for some time at Kiachta, the Russo-Chinese frontier town, where the merchandise was transferred from the Chinese caravan to the Russian one, and the rhubarb examined piece by piece by a Russian Government pharmacist. Commercial intercourse between Russia and China began early in the seventeenth century, but it was not put on a properly-regulated basis until 1728. At first all the trade in the rhubarb exported from St. Petersburg to other European countries was a monopoly of the Russian Crown, and the name "Crown-rhubarb" still lingers to this day in the odd nooks of the German drug-trade, as Turkey rhubarb does in English popular parlance. In 1762 Catherine II. abolished the monopoly of the Crown export trade, but the business continued to flourish until the opening of the Chinese treaty-ports in the first half of the century,

when rhubarb, musk, and other Chinese goods found a cheaper and more convenient outlet by water.

The "Russian" rhubarb of Pallas's time was evidently what is now known as the "Shensi" variety; that now called "Canton" was even then brought into trade by the port of Canton, and known in Europe as "Indian" rhubarb.

Concerning the commerce in rhubarb, Pallas says in his "Reise": —

"The rhubarb is procured from the Bucharian merchants who come from the town of Selin, which lies south-westward of the Koko-Nor, or Blue Lake, on the borders of Thibet, and is subject to China, like all other towns of Little Bucharia.

"The best rhubarb purchased at Kiachta grows on a chain of rocks, lofty, and but sparingly provided with wood, which lie north of Selin, and stretch as far as the Koko-Nor. The good roots are distinguished by large and thick stems. They are dug up in April or May, immediately cleansed from the soil, and hung on the neighbouring trees to dry; then wrapped up in woollen sacks, carefully preserved from the least humidity, and transported upon camels to Kiachta.

"The exportation of the best rhubarb is prohibited by the Chinese, under the severest penalties. It is procured clandestinely, however, in sufficient quantities, sometimes by mixing it with inferior roots in the caravan load, and sometimes by means of contraband trade. The College of Commerce at Petersburg has the sole right of receiving the root, and appoints agents at Kiachta for that purpose. Much care is taken in the choice, for it is examined in the presence of the Bucharian merchants by an apothecary commissioned by Government, and resident at Kiachta. All the worm-eaten roots are rejected, the remainder bored through to ascertain their soundness, and all the damaged or decayed parts are cut away. By these means even the best roots are diminished a sixth, and the refuse is burnt."

When Catherine II. abolished the Crown monopoly in the export trade of rhubarb from Russia a heavy duty was put on the root, which private traders had to pay. The root imported by the Crown was sold at St. Petersburg through the intermediary of the College of Commerce, for the profit of the Sovereign. The current price was settled every year by the College.

Rhubarb was taken from the Bucharian merchants at Kiachta in exchange for furs; the prime cost was about 16 roubles (32s.) per pood of 35 lbs. By adding the pay of the commissioners who purchased it, and of the examining apothecary, and allowing for other necessary expenses, the value of a pood at Kiachta amounted to 25 roubles, to which had to be added about 5r. for carriage from the frontier to St. Petersburg. In the year 1765, 1,350 poods were exported from Russia, valued at 65 roubles per pood, so that there must have been a fine profit left for the merchants. That seems to have been an unusually brisk year, for upon an average the annual receipts at Kiachta only amounted to 1,000 poods, of which about 700 passed the official inspection.

THE SUPERIORITY OF THE ANGLO-SAXON.

While Englishmen are worrying about foreign competition, and some of our magazine-writers are engaged in demonstrating, with seeming seriousness, that our national life has not already begun to decay, M. Edmond Demolins, a prominent French writer on social subjects, has given his fellow-countrymen a cold shock with a book in which he not only proclaims the superiority of the Anglo-Saxon race over all others, but predicts that the part now played by English-speaking people is as nothing compared with the overwhelming predominance they shall achieve in days to come.

"Why this superiority of the Anglo-Saxon?" as M. Demolins, and his answer, set out at length in chapter on trasting the scholastic, the family, and the public life the Anglo-Saxon with that of the Continental, especial the Frenchman, may be summed up in the words: "because the Briton's 'particularism,' his self-sufficiency, his individu his sense of the practical, and his intolerance of State ter- ference in his private affairs." M. Demolins knows Er nd well; he has also visited Scotland, where he pursu his investigations under the guidance of his friend Pr sor Patrick Geddes, of Edinburgh. He has allowed no act, however trivial, to escape his notice, and from his ob va- tions he has built up his book, *A quoi tient la Superior des Anglo-Saxons*, in the same painstaking deductive man in which M. Paul Bourget has dealt with that portion the Anglo-Saxon world represented by the United States. nd, knowing us, M. Demolins has nothing of that blind hat of England that unfortunately animates so many of his fl w- countrymen. On the contrary, his admiration of B ain and British institutions is so great that one sometime eis that he exaggerates our virtues for the sake of induci his countrymen to follow our example.

M. Demolins makes light of the spectre of Germa re- dominance that looms so large in the minds of Fren en and has lately made his appearance on our own s res. "The superiority of the German is a sorry pretence," he ys. "His vaunted educational system forms machines, not en; petty bureaucrats, not self-reliant pioneers. The En ror William sees this well enough, and insists, loudly is his habit, upon reform: not in the direction of more m, but in that of the English school system. As for Ge an industry, Germany has ever been a poor country; its il aid artisans have always excelled in the production of cheap g ds. By accident it has happened that the extension o he German railway and shipping system has taken ace concurrently with the opening of vast new markets ose buyers are only able at present to buy the cheapest Eur an goods. Hence the great increase of German foreign le, which is really a sign of weakness, not of strength nd cannot last, because it has its roots in the poverty its people. Man for man, and when not backed up by he officials of his country," says M. Demolins, "the Germ as a merchant is no match for the Briton." And he quot ns a proof towards the accuracy of that statement, a r nt report in which the German Consul in the Transvaa m- plores his Government to aid German traders in hat Republic with its "guidance and protection," in order to er- come the disappointments that they have experienced en trying to fight British competition. He also refers, in his connection, to the notorious rapidity with which Ge an emigrants denationalise themselves in English-spe ng countries.

From cover to cover M. Demolins' book is, in sho an eager vindication of British character, British custom nd British institutions. It would perhaps be better to e oy the word "Anglo-Saxon" in preference to British, fo he author seems to treat the differences that characteris our American kinsmen from ourselves as of no account. He appears to think that the millions of Celts, Germans nd Scandinavians who have flowed into the United States ve sunk thoroughly into the Anglo-Saxon type without m ri- ally altering its character or affecting its destiny. A for ourselves, he thinks that we are now working off th st vestiges of "communal" ideas, of dependence upo he State, that we had imposed upon us with the N an Conquest. When we have quite got rid of these, A lo- Saxon individualism will, he thinks, rule the world.

It may be asked, "What is there in this book to co rn

ug-trade?" Why, directly nothing, indirectly a great For in days when competition is keen, when one on all hands jeremiads that the trade of the world is from us, when pessimism seems paramount, it ing to meet with such praise at the hands of a uished foreign critic. And, at any rate, we may say, hough the eye of Mr. Birrell be upon us, that in the ment of trade-journalism this country need not fear rison with any other.

INVENTION OF LUCIFER MATCHES.

death of Sir Isaac Holden, Bart., recalls the fact that early day he did many things for a living, amongst acting in his spare time as a lecturer on chemistry. en thought a great deal about a ready means of striking t, and it occurred to him that, if match wood were with sulphur before an explosive mixture was put on, lphur would catch fire at once, and would burn long h to ignite the wood. He tried the experiment, and it red. Then he showed it to his chemistry class, and a man who attended the class wrote home to his father, mist and druggist, about it. Very soon afterwards ir matches were put on the market—by the druggist.

LIMITED LIABILITY AND BANKRUPTCY.

Smith, the Inspector-General in Bankruptcy, makes pertinent remarks regarding the conversion of insolvent sses into limited-liability companies, and thus sum- s his conclusions:—

neral review of the failures of the past and of some recent ppears to lead to the conclusion that the conditions under the commercial and manufacturing business of the country g carried on by private traders has for some years under- nd is still undergoing, a considerable improvement, owing limination from this sphere of many of the speculative and s elements which previously characterised it. How far provement may be counterbalanced by increased losses g from the growing practice of carrying on insolvent busi- with limited liability under the Companies Acts may be a for consideration. If, as would appear to be the case, the rising under the latter form of enterprise have increased, hose of private traders have diminished, the result is pro- lue to the fact that the practice of trading with a know- of insolvency is less capable of being checked, and the ctices accompanying it are less liable to public exposure the existing laws relating to companies, than they are in e of private traders under the Bankruptcy Acts.

nith's observations indicate that the concerns which agerly take advantage of the Companies Act provisions ose of a speculative character.

CARBOLIC-ACID POISONING.

deaths from carbolic-acid poisoning during the past nave been exceptionally numerous. Between Friday ednesday provincial correspondents had sent us notes of ses, mostly suicides, but one a painful case in which a rank the acid in mistake for liquorice-water. It is waste of space to note cases of carbolic-acid poisoning have no exceptional features of trade interest about and all that have occurred recently are of that type. nger the acid remains unscheduled the more numerous e the fatalities from it, and this result is solely due to mental ineptitude. Even the *Times* seems shocked facilities thus afforded to suicides, remarking that—

s of suicide and fatal misadventure with carbolic acid ntly occur to support the views which some coroners have sed in favour of placing this chemical among those which ulated as poisons.

Liverpool Mercury is more pertinent when it says

frequent recurrence of late of cases of self-destruction by allowing of carbolic acid must force upon the public mind irableness of immediate action being taken to limit the unities of indiscriminate sale of this deadly drug. Mr. on, the Coroner of Liverpool, has, with the concurrence of successive juries, pronounced for stringent restrictions in regard to the vending of the acid.—Were the coroners of England to unite in a representation to Parliament, some action might be adopted which would lead to the lessening of the facilities which at present exist for the procuring of this poison.

Similar remarks regarding the anomalous state of the law have been made by Mr. Walter Schröder at an inquiry which he held at Battersea in a case of carbolic-acid poisoning. It becomes more and more astonishing that the English Privy Council are deaf to all these strictures, and regardless of the fearful loss of life chargeable to this poison.

New Companies.

AKEROYD & VERITY (LIMITED).—Capital 5,000*l*., in 5*l*. shares. Objects: To carry on the business of soap, glycerine, oil, tallow, grease, and candle manufacturers and merchants. Registered without articles of association. Registered office, Canal Soap-works, Mirfield, Yorks.

CHARLES DOUBBLE (LIMITED), 14 Serjeants' Inn, Temple, London, E.C. Capital 2,000*l*., in 10*l*. shares. Objects: To carry on the business of chemists, druggists, drysalters, oil and colour merchants, aërated and mineral-water manufacturers, &c. Registered without articles of association.

NORTHERN PHOTOGRAPHIC WORKS (LIMITED), with a capital of 2,000*l*., in 1*l*. shares. To enter into an agreement with Birt Acres, and to acquire, take over as a going concern, and carry on the business of manufacturers of photographic apparatus, cameras, and projection-machines, carried on at 45 Salisbury Road, Barnet, under the style of "The Northern Photographic Works." Registered office, 3 Salter's Hall Court, Cannon Street, London, E.C.

ANGLO-AUSTRIAN PETROLEUM COMPANY (LIMITED), with a capital of 125,000*l*., in 1*l*. shares. To enter into an agreement with the Anglo-Continental Gold Syndicate (Limited), and to produce, refine, store, supply, and distribute petroleum and petroleum products. The first directors (to number not fewer than three nor more than seven) are to be nominated by the subscribers. Qualification, 200*l*. Remuneration, 200*l*. each per annum, and 300*l*. for the chairman.

WENDLER BROTHERS (LIMITED).—Capital 12,000*l*., in 10*l*. shares. Objects: To acquire the business of chemical manufacturers carried on by Eberhard and Gottlob Wendler at 34 Green Lane, Princess Street, Manchester, under the style or firm of "Wendler Brothers"; to acquire provisional patent No. 10,933 of 1897; to adopt an agreement with the said vendors; and to carry on the business of chemical manufacturers and merchants, drysalters, and dealers in drugs and chemical products. The first directors (to number not fewer than two nor more than five) are Gottlob Wendler, Arnold Buamann, and Edward Wihl. Qualification, 500*l*. Remuneration, as the company may decide.

New Books.

Hulme, F. E. *Familiar Wild Flowers, Figured and Described.* Third series. With coloured plates. New ed. Cr. 8vo. Pp. 176. 3*s*. 6*d*. (Cassell.)

Lajoux, H., and Alex. Grandval. *Médicaments Chimiques Organiques inscrits au Supplément du Codex Dosage des alcaloïdes, &c.* 8vo. Pp. xvi. + 286. (Matot Braine, Reims.)

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The Chemists' Exhibition.

COVENT GARDEN THEATRE is a galenic temple this week. There the proprietors of the *British and Colonial Druggist* have gathered together a hundred, or thereabouts, of those who call upon the disciples of the Græco-Latin physician. It is a pretty show, and business-like. Bunting and electric lights, scenery and greenhouse plants, music and mirth make an effective setting for the gay and the gaudy, as well as the staid and scientific, exhibits. Some participate in the show who are apprentice-hands at that sort of thing, others are not there who are experienced, and some have concentrated their efforts into smaller spaces. Our reporters' notes are arranged without respect to the location of the exhibits, and brevity does not necessarily imply poverty of display; indeed, many of the best exhibits are of articles which have quite recently been described in these pages, and, therefore, need not be referred to again.

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Allen & Hanburys (Limited), as befits a firm of such renown, have one of the biggest and best-arranged stands in the Exhibition. It is just by the principal entrance. The firm show a good selection of perfumes and soaps, the latter of the variety to which we have drawn attention on more than one occasion. Their capsules (cascara, sandalwood-oil, &c.) are beautifully made, and their display of extract of malt, plain and with cod-liver oil, is one of the features of the stand. The firm also show some crude drugs and a large number of chemicals and preparations. The stand, in fact, is a miniature exhibition all by itself. Every article mentioned in the price-list which they inserted in our Summer number is exhibited, special prominence being given to the toilet-soaps.

Antifermentine (Limited) exhibit a tablet-preparation called "Kypswyt," a preservative for fruits and food. Four-year-old raspberries kept by it we tasted; crab-apples twelve years' old we did not taste, although they looked fresh enough, for our desires do not lie in that direction. "Kypswyt" seems a good thing, and is stated to be harmless. The company also make Cornelia Gray's elder-flower water.

Apollinaris & Johannis (Limited) naturally make a big show of Apenta water from the springs at Budapest. It is claimed for Apenta water that its constancy renders it particularly suitable in systematic courses of treatment. Of Friedrichshall and Apollinaris water it is impossible to say anything that has not already been said before, while as for Johannis water, the last of the quartet, it is especially recommended for children and invalids.

Armour & Co., in addition to their well-known products, such as "Vigoral," peptones and pepsin, come out strong in the department of desiccated animal substances, such as pituitary body, ovarian tissue, thymus glands, and all the rest of them. The firm are not among those who hold that this new development of therapy has no future; on the contrary, they think that the use of these remedies is bound to assume very large proportions in the near future, and they express themselves as very well satisfied with the result that has already attended their efforts in this department.

Aspegren & Co. have a good exhibit of Norwegian-made parcel-post slide-boxes, made from aspen-wood. They are like the American boxes hitherto much in vogue.

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W. H. Bailey & Son repeat the exhibit which they made in Queen's Hall three weeks since; but they show several new things, amongst them a choir throat-spray, in which the capillary tube is a flexible I.R. one with a vulcanite nozzle. It is clever, and not so liable to go out of order as the spray with rigid tube. They have also two good English-made ball-enema syringes—a black one, in box, to retail comfortably at 2*s.* 6*d.*, and a cheap holdfast to sell about 4*s.* 6*d.* or 5*s.*

Barclay & Sons (Limited) have a handsome and varied display, running from photographic cameras to tobacco. The former include a 50*s.* hand-camera and a 4*l.* 4*s.* half-plate "Favorite," and the latter the "Bukaa" cigarette, a pleasant smoke, retailing in 6*d.* and 1*s.* boxes. Nice p coloured scent-bottles are a prominent feature at this exh They are mostly in nice green tints. A novelty has also introduced in odorators lately by the addition to the m upper part of the bottle of a small hook on which the can be hung instead of allowing it to trail along. We also shown some nice perforated tooth and nail brushes, handy for allowing the water to drain off rapidly.

Battley & Watts bring together the first of their liq and some quite modern galenicals. It is a little surpri to observe amongst the former a liq. caulophyll. et puls which the firm have made for at least a quarter of a cent and there is much in the new lines which indicates that firm is alive to modern needs; for example, liq. iodi alb which the iodine is "rendered colourless and kept as iodine in oil." We had no opportunity of proving this st ment, which obviously is inconsistent with all known f regarding iodine; but we are open to conviction.

Bennett, Sons & Shears (Limited) make a fair dis of pharmaceutical laboratory-plant. The exhibit inclu the "Auto" still, combined copper still and steam-pan v improved tubular condenser, Niblett's pill rounding coating machines, &c. The "Rotary" pump, for pum thick semi-fluids, such as oils, tar, paint, soap, &c., is hibited for the first time. The pump is made in gunme vulcanite, and iron.

The Berkefeld Filter Company (Limited) have li new on show beyond what we recently reported, excep high-pressure filter containing fifteen candles, which g with perfect ease over 100 gals. of filtered and steril water per hour, therefore is well suited for manufactu and aërated-water makers. The rapidity of filtration revelation to those who think that the Berkefeld filter slow thing.

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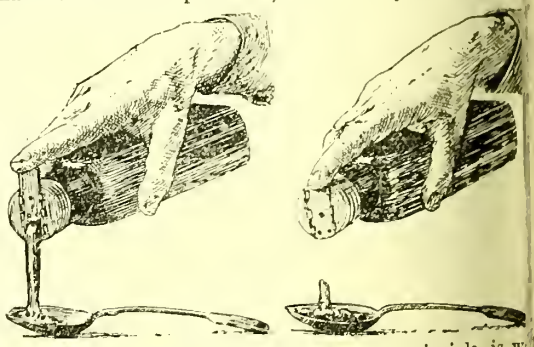
Blondeau et Cie. have a splendid exhibit of vin goods. We naturally observed the Christmas novelt which comprise elegant productions, high-class as to get and quality, yet ranging in price from things which will the working classes to those which West-enders will b This particularly applies to perfumes, and we may note t the firm are giving away to retailers a giant perfume-bo of 4-pints capacity, which is admirable for show-purpo They have a few novelties in toilet-preparations—*e.g.*, vin hair-wash (for dry and wet shampooing), which is saponaceous; a new shaving-cream, of the euxesis type, which also lathers; a nice tooth-paste, to retail at 8*d.*; a new violet powders—a 6*d.* line, in packet and box So are, of course, a strong feature of the exhibit, but, truth tell. "Vinolia" seems to be a short way to spell "toilet-p parations," so numerous and varied are the preparations n put forward under that magic title.

Mr. Boisselier's new extract of malt bottle-cap is sho in the subjoined illustration, which exhibits the idea so w that words seem superfluous; but we may add that the



vention is a screw-cap on the syrup-tap principle, is w made and finished, and is just the thing that was want for malt-extract and similar thick preparations.

Blumfield & Co. are showing albeine—a white vegetable fat to be used as a substitute for lard in ointments. We could not ascertain what it is made from, but understand that has been much used in cooking.

Gustav Boehm exhibits in the Saloon a good assortment of soaps and perfumes. Some of the former are extremely fancy—*e.g.*, red and white roses in cakes, resembling new-blown roses, perfect to the base of the sepals. So also are the fits, &c., which are moulded in soap.

Brand & Co., of Mayfair, show their beef-essences and other invalid specialities.

T. B. Bristow & Co.'s exhibit of perfumes and soaps is well worth inspection. They have on show a number of lines for Christmas trade, chiefly perfumes, put up in silk and satin boxes, finished with true elegance, and the selection offered is good. The floral series—6*d.* perfumes, each bottle with a flower attached to it—is in strong force. This is the only exhibit which we noticed containing silk cases with hand-painted flowers on the lids. These are likely to be in good demand at Christmas time, and should be seen by those who have not gone to the Exhibition.

The British Malt Products Company, of Bermondsey and Inverbar, N.B., exhibit their various malt-preparations.

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Burgoyne, Burbidges & Co. appear this year at the Exhibition for the first time, we believe. Their stand is not at all in proportion to the size of the firm, however. They show some nice perfumes, a few flasks of beautiful chemicals, and a whole series of the pharmaceutical preparations of Von Heyden & Co., of which they are the sole agents. Among the last-named are "Xeroform" (a substitute for iodoform), Credé's silver salts, the lactate and citrate, which are among the newest disinfectants, salicylate of soda, solveol, and phorine.

Burroughs, Wellcome & Co. make a much more modest exhibit than is their custom, but what they lack in space they make up in position and interest of exhibits. Here one may see Congo medicine-chests which have been through the Ashanti and Chitral expeditions; and there are many more examples of compact medicine-cases. The firm are now making many of these articles themselves; and we notice a number of beautiful examples of leather-work in hypodermic cases—*e.g.*, lizard-skin, real crocodile, crushed morocco, &c. There is also a new serum-syringe (5 and 10 c.c.) made entirely of metal except the glass barrel and rubber plug, for facility of sterilisation. Each syringe is enclosed in a metal case. Besides the B., W. & Co. pharmaceuticals and examples of organo-therapeutic remedies, the exhibit contains the new cases of photo-tabloids, to retail at 1*s.* 9 and 4*s.* 9*d.*, the former comprising practically all that is wanted for developing and fixing on tour; yet so small is the case that a corner can be found for it in the bicycle kit-bag or in the waistcoat-pocket. The latest development of the tabloid is in the direction of pure chemistry—that is to say, the firm have enlarged upon the idea involved in Thresh's water analysis case, and have produced all the common reagents for qualitative and quantitative analysis in tabloid form and have put a selection into a suitable case with the apparatus, &c. Much ingenuity has been displayed in getting up the, but we must reserve it for fuller reference when we have had the opportunity of trying it. Fairchild's digestive preparations are also shown, and Wyeth's beef-juice was expected, but there has been such a run upon it that none could be spared for exhibition on the opening day!

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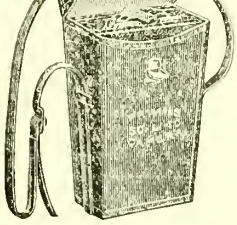
The Chemists' Aërated and Mineral Waters Association (Limited).—Why do they not change the registered title "Camwal"? The first tear we have shed over this report is due to the official title, and "Camwal" is so horrible on this occasion that it is a—well, too deep for tears. When one enters the Exhibition a turn is made to the right, as far as F 40, which is not a photographic expression, but a location. There a card directs the movement upwards to the first-tier Royal Box, and when one arrives there he finds two apartments, one of them favoured by the Prince—there the members are entertained; the other is the Princess's boudoir, and here non-members get "the same again." The company's manufactures are also on view in the Royal Box, which is gay with monster syphon-lamps, and those pretty papier-mâché syphon-holders are everywhere.

W. Butcher & Son exhibit electrical, photographic, and other scientific apparatus. There is a good half-plate camera complete with stand, lens, and T.-P. shutter, which costs 4*l.* 4*s.*, and seems well worth the money, for it is well finished and serviceable. The "Solito" pocket-camera is good. It



collapses so as to put in the pocket with three double dark-slides, quarter-plate size. The above figures show the style of it. There are many other things besides, both new and old, and specialities for the coming lantern season are in force. The firm are now giving a handsome upright mahogany glass case to purchasers of 5*l.* worth of goods. It does not take up much room on the counter, and exhibits a lot of goods.

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T. Christy & Co. have two stands. At one "Neo-kola" is solely shown. At the other are adeps lanæ and many another pharmaceutical requisite. The adeps claims first attention, because there are ever so many varieties of it. It has been improved lately, especially the fine white variety, which is non-sticky. Cachets are the next strong feature. The "Morstadt" cachets, in various colours, are used to make the firm's stall-sign. A young lady shows how cachets and koseals are filled, and she uses for the purpose a new dispensing-filler, which is a graduated tube that can be adjusted to take up as many grains of a powder as is desired. Other features of the stand are extract of witch-hazel, "Coco-testa" liquorice-juice (a new and pure variety), aq. rosæ ang. (of exceptionally fine aroma), and Dike's and Stearns's preparations. Those who like formulæ should get from the firm a copy of the Koseal Formulary, containing sixty-six prescriptions.

The Condal Water Company (Limited) have an exhibit of their table-water in the Gallery.

E. Cook & Co.'s newest thing is a mercuric-iodide toilet-soap (1 and $1\frac{1}{2}$ per cent.) made by Thomson's patent. Dr. Rideal's experiments prove that this is an effective bactericide. Besides this, the exhibit contains the best examples of Cook's manufactures in milled soaps. During recent years they have done much to improve the public taste in toilet-soaps, and, through chemists, supply a series of high-class products which well entitle them to say that they are amongst the first soap-specialists of the world.

Cooper & Co.'s stand is principally devoted to the Finot's cachet-apparatus and to the cachets made therewith. The cachets lend themselves to an extremely attractive display, as witness the basket of "artificial flowers" in the centre. The petals of the flowers are made of halves of cachets, variously coloured, and at a distance they bear a remarkable resemblance to the "real artificial" article. A novel feature has lately been introduced into the cachet-machines by the construction of a simple and cheap apparatus known as the "Primus." This apparatus contains two extensible metallic rings, which serve as holders for closing the six sizes of cachets, a tray for holding twelve cachets of each size, with an improved damper and a cup and rod.

Corneille David & Co., the agents for Liebig Company's extract of meat, have lately brought out a series of six menu-cards as advertising-matter, which are of exceptional interest. They bear on the front a full-length portrait of each of six famous Royal women—viz., our Queen, the Princess of Wales, the Czarina, the German Empress, the

Queen of Italy, and the Queen of Holland. The favourite home of each is shown on the menu-card. Besides these are many examples of the company's advertising-matter, which visitors can pick up or obtain on request, all describing the old extract and the new and nourishing Peptarnis.

J. Crosfield & Sons (Limited) exhibit a shop-window display of the "Peerless erasmic herb toilet-soap." This is put up in 4*d.* cakes for the toilet, and in 1*s.* shaving-sticks (each enclosed in a celluloid case). The window-display is an effective combination of drapery in old gold fabric with wreaths of violets (or violet fabric with golden flowers), and in this combination the soaps are artistically set with highly-artistic showcards as a background. The display is fixed in the window of any chemist who buys a certain quantity of the soap, and the firm pay a fee to the chemist for this use of his window. It quickly creates a demand for the soap, and, as the price is protected, there is a double inducement for the display. We should add that the soap is something quite novel in character, and especially in perfume.

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The Crown Perfumery Company have a very nice stand indeed, at which they make an excellent display of toilet-soaps, lavender-salts, and other scents.

Daisy (Limited) have a small stand, almost entirely occupied by a dozen of the "Masher" figures which the firm are advertising in this journal. The figures are lent free for a month to chemists ordering a gross of the headache-powders, which it is claimed that they cure in a "phew" minutes. The enterprise of this company is one of the records of this great record year.

F. Darton & Co. have an effective show of thermometers (clinical and chemical), hydrometers, saccharometers, Röntgen-ray apparatus, magnifying-glasses, and optical novelties generally.

J. Defries & Sons (Limited) exhibit Pasteur filters and a number of hygienic novelties in the Grand Saloon.

Edme (Limited) have a good exhibit of their extract of malt, pure and combined with cod-liver oil, sterilised milk, hypophosphites, &c. The article appears to attract a good deal of attention, and the stand is well got up.

Edwards's "Harlene" Company have a brightly-draped stand, at which two smart female attendants make propaganda for the preparation. Much interest is shown in this exhibit by visitors.

Evans, Gadd & Co. divide their stand into two. On one side are examples of their galenical compounds, from which we picked out granular effervescing preparations and medicinal syrups as of special merit. Here also their "Ambrosia" (malt extract with Devonshire cream) and crushed linseed take rank. The second part of the exhibit is solely devoted to perfumery—a department which they are specialising to good purpose. It is not possible to individualise the brands in this section, because they are very numerous; but we may say that in respect to tastefulness and variety of get-up and perfume-power these manufactures would be hard to beat.

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Evans, Sons & Co. and Evans, Lescher & Webb make a combined exhibit, which is an easy first. In the bay which they have taken they have placed the complete fittings of a pharmacy executed in Spanish mahogany. This is an example of the shop-fitting turned out from the Liverpool firm's cabinet-works. The counter-side fixture has small drawers (four rows), with two rows of larger drawers and lockers beneath. It is divided into two sections by a well recess, fitted with a bevel-edged mirror and marble shelf upon which various things can be displayed. The corresponding wall-showcase fixture is similarly divided; but here the fixture has a more ornate cornice, the design showing a Grecian-pattern dentation. A peculiarity of this fixture is a series of labelled drawers in each half for storage of thermometers, brushes, &c., and there are sliding shelves for the display of stock for customers' choice. The dispensing-screen is unique, because the front has a circular showcase at each side, with the usual marble well in the centre, and beneath the marble is a sponge-case, with an ingenious provision to prevent the sand getting to and destroying the hinges. The walls at the back of the screen are fitted (on three sides) with bottle fixtures for shop-rounds, which may be used both for retail and dispensing. The whole fixtures exhibit splendid workmanship, and there are many points about them which show careful thought to the requirements of the trade. Even a certain of special design has been fixed in to show how much that part of a shop is capable of when arranged by a competent designer. Only in the back part of the shop are the usual shop-rounds placed, but these are a special make, with shield-shaped recess-labels as shown in the illustration. The drug-side fixture is entirely filled with galenicals, powdered drugs, &c., as they are sent out by the wholesale to the retail. The centre of the shop contains original packages of drugs, and the wall-cases are filled with Savar's counter specialities, druggists' sundries, Margerison's soaps, &c. The object of the exhibit as a whole is to show that the firms can supply chemists and druggists with every article required to start and carry on the business, and the manner in which they have carried out the exhibit reflects the greatest credit upon the departments which have combined to make it. Montserrat lime-juice cordial, sauce, and other preparations are exhibited on a separate stand.

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Farrow & Jackson, in addition to their patent aërated-water apparatus, exhibit several American soda-fountains in action, and visitors have the opportunity of judging the simplicity with which these machines work. We learn that soda-fountains are growing in popularity in this country, even chemists taking them up.

Fleming's Oil and Chemical Company (Limited) show the new camphylene preparations which we recently described, as well as a varied selection of all their hygienic specialities.

Ford, Shapland & Co. have an attractive display of chemists' price-lists and labels, and are well to the fore with specimens of new calendars for 1898, which it will soon be time to order. Syphon-check and receipt books are also shown, and a good assortment of demy papers, prescription-books, sticky and chemical fly papers, and toilet-paper.

The Frame Food Company (Limited) make a good display of their manufactures under the "Live and let live" motto. It is a curious commentary upon the utility of the Frame Food Jelly that, while Nansen found it delicious and serviceable in the *Fram* expedition, a South African expedition has just taken a large supply of the jelly with them.

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The Galen Manufacturing Company (Limited) exhibit John Moss & Co.'s manufactures as well as those of John Milne (antiseptic dressings). The galenical exhibit contains some raw drugs (*e.g.*, cascara) and preparations thereof; its strong feature is a selection of bottled medicines, such as extract of malt, digestive syrup, syrup of figs, coca-wine, and the like, the company having recently developed this branch of their business greatly. Gelatine capsules also make a good show, one of the prettiest things in the Exhibition being a star made of green, red, and yellow capsules (the envelopes, and not the contents, are coloured). "Kofoso," a pleasant liqueur pick-me-up, is on tap, and greatly assists one of our representatives in the trying ordeal of listening to half-a-dozen men at as many stands enthusing upon the merits of a half-crown enema. Mr. John Milne's exhibit contains a series of samples showing the preparation of absorbent cotton from the raw material, and a good assortment of gauzes, ligatures, lints, oiled silk, &c.

William Gardner & Sons are not showing any new things this time, nor has **Geraudel** anything except pastilles in exhibit; but there are plenty of them, and it is astonishing how many sore throats there are in the theatre.

Glendenning & Sons make a good show of their beef-and-malt wine and coca-wine. They have recently been

poi ed agents for the North for Serravallo's Peruvian-bark and on wine, imported by Roberts & Co., New Bond Street.

John Grossmith, Son & Co.'s stand is the one on the rig as the visitor ascends the entrance staircase, and a good exhibit it is. Souvenir cases for Christmas and birthday gifts are a strong feature of it, and the new patterns for the coming season are exceptionally handsome. One ser consists of gold-embossed, satin-lined boxes with bevelled-glass lids, containing one, two, or three bottles of favorite perfumes, the bottles being of cut flint-glass. The should not be missed, and it is worth anyone's while to et a sample. The "Victorian Bouquet" perfume and sac t are another leading line; but it is not possible to pic a representative lot of the elegancies in this department which are displayed on the stand. We must, however mention the series of eau de Colognes and lavender wa rs, shown in a variety of quaintly-shaped bottles, with sprklers, and the toilet-soaps. The firm have just published a w illustrated price-list, as well as a revised edition of the "Perfumery," copies of which can be obtained by ch ists on application.

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Baron, Squire & Co.'s case is locked, and there was no on y to draw attention to the special features of their exhi But a glimpse from outside affords a view of a beautifully-arranged assortment of the firm's popular products. A display of nutmeg-fruit with mace, preserved in alcohol, lends interest to the show. There are also infants' food coated pills, medicated biscuits, a selection of crude drugs, and some striking samples of chemicals. On a separate shelf is a show of the firm's perfumes.

Bockin, Wilson & Co. have a very similar display of novelties to that of other sundries houses. They show some rare nice things in perfumes, "as used by Mme. Patti," and in soaps.

A. Holloway, of Torquay, makes a good show of his co specialities, the wine being to the forefront, and on tap. Mr Holloway makes it his business to pay the off wine-licences of those who become his agents, and he reckons that th with the discount he gives them, ensures 50 per cent. pr t to the retailers—not bad in these days of P.A.T.A. necessities.

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Henry Hyman is one of those who say there is nothing like leather. His kinds for chemists' use are shown in the Gold Saloon.

Iris & Co. (Limited) have a neat display of their table-waters. They have recently introduced a piperazine and phocoll water, recommended for those of a gouty and rheumatic tendency. Another speciality—orange champagne, made from fresh oranges—is a light and sparkling drink, and out to be appreciated during this hot weather. Messrs. Iris have a cosy retiring room, or "Welcome Club," in which there was "standing-room only" when our representative looked in.

Ingram & Royle's exhibit of mineral waters gets a better place in Covent Garden than it did at Queen's Hall. The selection of Vichy, Carlsbad, Hunyadi Janos, &c., is better displayed, and, we hope, gets as much attention.

J. C. Ingram & Son have a good exhibit of indiarubber goods. A new feature has been introduced lately into the firm's manufactures by the use of the "Zebra" brown and black variegated rubber, which looks odd and rather nice. Chest-shields are now made by the house with a metal ring, which renders them more durable.

The Iron and Steel Plant Company have endeavoured, with some success, to mitigate the severely utilitarian character of a stand devoted entirely to Caird's patent dipped-steel barrels and drums for storing acids, syrups, &c., by interspersing it with a display of plants in pots. The "all together" has a very bright appearance.

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A breath of Mitcham fields we breathe
In the region of Avenue D;
For there John Jakson and Company
Have brought bits of the fields, you see.
There's chamomile—all in double blooms,
And rosemary without the flowers;
White mint and black—alike but not,
And lavender above them all towers.

John Jakson & Co.'s exhibit is responsible for that Austinian lapse. [We cannot account for it, as we believed our young man to be incapable of it.—Ed. *C. & D.*] The exhibit comprises specimens of all the oils distilled by the firm at their Mitcham works, but prominence is given to Jakson's "Concentrated Lavender Water," that peculiar blend which has about it all the peculiarities of old English lavender, with something that recalls the fragrance of Grasse bouquets. It has caught on remarkably well with the public, and chemists all over the country have found it a profitable extra, for it is liberally advertised in all the society and fashionable papers. It is a fine perfume, is put up tastefully in several sizes to retail at 1s. to 14s. per bottle, and the full face-value is obtained for it, as a stamp is placed upon each bottle bearing the statement: "This water, owing to the high cost of raw material used, cannot be sold at a discount off marked price."

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W. Jameson's arsenical soap is shown at a stand near the entrance, where the fact that the soap is actually arsenical, and that retailers will be indemnified in case of proceedings against them under the Food and Drugs Act, is impressed upon visitors.

The Jewel Pen Company, in addition to their stylographic pens (with one of which part of this report is written), show some aluminium pocket and dressing combs which deserve attention. They are very tough, light, and do not scratch the skin.

The Kaputine Syndicate (Limited) exhibit their headache-powders, which are now being extensively advertised by poster all over the country. They are distributing at the exhibition a booklet addressed to chemists, in which the history of the article and the methods of promoting its sale are related.

W. Kemp & Son, of Horncastle, have enlarged their display as compared with that of last year. They have a full line of crude drugs and powders, cod-liver and other oils, and Kemp's emulsion of cod-liver oil (50 per cent.), which is most effectively shown in white Winchesters. It is hardly necessary to say that Kemp's well-known tonic coca-wine and the "Haylos" medicated wines figure largely on the stand, along with the veterinary specialities of the house. New labels have lately been introduced for Kemp's malt-extracts, which look very well indeed, and are a credit to Mr. Kemp, who designed them himself.

H. & T. Kirby & Co. (Limited) have an excellent display of coated and printed pills. The printing on the latter is really very neat, but it seems doubtful whether there is a big future for this invention. There is also at this stand a tempting display of "Glycecols," or soft medicated glycerin lozenges, which we recently referred to.

Kure-yu, and the window attractions which go with it, are shown at Messrs. Sanger's stand.

Mr. B. Kühn's exhibit is practically the same as the one made at the Queen's Hall affair, and we need only refer subscribers to our Summer number for an account of it.

The Liverpool Lint Company are also in the same position as Mr. Kühn, so we only mention that they are there, and as desirous as ever of doing business in antiseptic dressings, "Health" comforts, &c. They also exhibit a "first-aid dressing," which is a small waterproof packet containing all the requisites for first treatment of wounds. The company have entered into contracts with the War Office for supplies of this article.

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Lorimer & Co. have a couple of stands mostly filled with their counter-specialities with chemist's name and address. These include effervescing-saline and seidlitz-powders, bearing assorted labels in tasteful design. Others are cod-liver oil, beef-and-malt wine, coca-wine, *x*-ray crystals, &c., put up in cartons of various sizes. They report a good business in the American toilet-soap agency which they undertook some

months ago, the low prices and good quality securing the business. Dr. Raub's medicated cutaneous soap is the latest addition to this line.

The Formaline Hygienic Company (Limited) have an effective show of the *Alformant* lamp, which was recently described in our columns, and of the formalin preparations for disinfecting. At the same stand we noticed a good display of "formochloral" and "formine," the latter a purified 40-per-cent. formic aldehyde.

T. Howard Lloyd & Co.'s stand is superintended by two young Lloyds, who report good and growing business. Coated pills and colloid capsules are, of course, the backbone of the exhibit; but here once more we find an instance of the progress in put-up goods. Wholesale houses, almost universally, are devoting themselves to satisfy a demand for these by retail chemists. Those who exercise themselves regarding pharmaceutical ethics will please note that a very large number of chemists require the articles delivered to them ready for handing over to customers. This is not the page to discuss the *pros* and *cons* of that business; we merely say that Messrs. Howard Lloyd find it necessary to meet the demand, and they have infused into their enterprise originality of style, some creation of compounds (sulphur saline, for example), and moderate charges for the finished goods. On the last point we may mention a sixpenny home-made lemonade-powder, which is a 6-oz. bottle. The firm exhibit the first specimen of a new medicine-chest with revolving lid (on the American-desk principle), which seems a good thing for colonial trade.

Lynch & Co. (Limited) have a position close to the entrance which they have utilised well for a varied display of druggists' sundries, specialities, and toilet-requisites. 200*l.* worth of silver toilet goods (hair-brushes, mirrors, &c.) is one item, and chaste goods they are. Next we observed a selection of barometers and thermometers, an elegant 20*l.* dressing-bag for a lady, a beautiful basket of grapes made of a naphthalene compound (this for disinfection), Lynch's safety enema (still taking well and liked by medical men), camphor ice (2*s.* a dozen), a line of shaving-mugs, perfumes, 6*d.* and 1*s.*, with sprinklers, and many other articles, saleable and usable, which druggists want. The wealth of the exhibit really induces the brevity of our description of it, and we may say that those who have not seen the goods may at any time see them in the firm's showrooms.

Mr. R. Manson's exhibit of his chief manufacture (gum-elastic catheters and bougies) is supplemented by many kinds of surgical appliances, especially rubber bandages made of a particularly thin sheet perforated, and black-rubber enemas, which he is offering a bargain.

H. Marks & Son, 42 Houndsditch, E., exhibit different varieties of sponges, including honeycomb, Turkey, Florida, Nassau, &c. Among other curiosities connected with the sponge industry is shown a curious vase found at the bottom of the Mediterranean with the growth of a sponge clinging to it. The vase is reported to be "several thousand years old," but how true this is we cannot say.

Marshall's (Limited) have one of the biggest stands in the exhibition, where the fly-reel, tubed specialities, &c., are attractively displayed. We happen to have a notice of some of their goods in type. Several reporters of the daily papers have been getting some startling statistics from Mr. John Marshall regarding the fly-reel. Seven million reels have been sold, says one. "If 100 be taken as the average daily bag [why not 'string'?], the total catch comes out at 700,000,000 poor little innocent flies immolated on the altar of cruel commercialism. For every fly that is caught in England alone, there are 1,000,000 which live their little lives out and die natural deaths." Let that flee stick to the wa', as the Scotch say.

* * * *

S. Maw, Son & Thompson have a large and glittering stand right at the main entrance. They do not show many novelties, but the general appearance of their exhibit is very pretty. An apparatus for closing cachets, which may be had in several sizes, running from 5*s.* to 20*s.* each, was shown us, also some interesting things in dispensing-balances, show-bottles, and small odorators. A new feature in the sundries-trade this season are the small smelling-salts and perfume-bottles in multi and parti coloured glass, which the effect, in some instances, is very pretty. At Ma stand these bottles are generally a deep blue, green, amber at the top, and gradually become paler in col toward the bottom. Aluminium and cellulose find creasing employment every year in box-making for pharm ceutical purposes.

E. Matthews & Brothers show Mitcham's essential o and specimens of lavender, peppermint, and chamomile.

Matto (Limited) have a novelty which a funny n would chuckle over. It is a chain for massaging at ho which looks like a string of wooden balls.

The Medico-hygienic Inventions Company (Limit show their apparatus for disinfecting with formalin, and auto-sprays of perfumes and medicaments, about which we h nothing more to say at present than that the sprays of p fume are catching on wonderfully in various parts of country.

Mellin's Food (Limited) is supported on a nice arranged stand by Mellin's "Lacto-glycose," a preparat of the food incorporated with cows' milk, biscuits prepa from the soluble food, and cod-liver oil emulsion.

B. F. Moise & Co. (Limited) have a very handsome play of their many specialities. Prominence is given to tooth-pastes, cold-cream, petroleum jelly, &c., put up enamelled collapsible tubes. Vigo's concentrated tri extract perfume, in ¼-lb., ½-lb., and 1-lb. bottles, is a feat and it goes without saying that "Highland Heath" "Hyscenia," "Li-Hoy," and "Violette des Alpes" are th in all their glory—which is great.

* * * *

Newball & Mason make a wonderful display of advertising material which is distributed to the public furthering the sale of extract of herbs, wine-essences, fr syrups and wines, and the many other manufactures wh they have done so much to popularise. Most of the ad tisements are chromo-lithographs of figure-subjects, exec either in relief or with the subjects cut out. One of newest things is an enamelled-tin chess-board which is gi away, and there are some nice new showcards execute the same manner. The newest thing of all is a serie popular tales, the first one being by Wilkie Collins.

The Norwegian Milk Company have an exhibit of t unsweetened condensed milk in the Grand Saloon. T also make the sweetened kind, but the former is especi notable on account of the fact that it keeps for five or days after opening.

Oppenheimer, Son & Co. (Limited) were the first fir have their exhibit ready, thanks to the push of "yo Moore," who has charge of it. He showed our represe tive a clever proof of the imperviousness of the palati membrane—viz., a small palatinoid containing free p phorus. On opening one of these and shaking out powder, the phosphorus in it spontaneously ignites. S pretty showcards respecting the firm's goods are exhibi also two types of the showcases which they give their agents, with an assortment of palatinoids, crea malt, &c., in them to show how they can be utilised. I as a whole, an excellent exhibit, and tastefully arranged.

* * * *

Parke, Davis & Co. are placed at the end of the theat on the stage, to be strictly correct—where they have scenery as a background. There they have arrang unique display. Apart from their own galenicals are novelties in fittings, one a cluster of small pear-shaped gl to fill with coloured solutions for placing round an ele light. This is the latest thing in the chemists' hall-m Another thing is a tall wire obelisk for sponges. I divided into five compartments, one above the other sponges of different prices. We illustrated the idea a or two ago, since when it has been going well in the U States. Compressed herbs in 1-oz. tinfoiled packets, sulp tablets (like the bronchial ones which P., D. & Co. have a run on), little liver-granules in 6*d.* tubes, two kind cod-liver oil emulsion (bulk and bottle), insect-powder (only), Johnson's ethereal antiseptic soap, capsules capsule-fillers, euthymol specialities, and pepsines are

inent lines in the exhibit, but pills and fluid extracts ere also, the whole being neatly arranged, and looked by an international triumvirate.

Poths & Co.'s exhibit of glassware is distinctly attrac- On the corner of the stall is a triple show-bottle for red solutions in beautifully-cut glass. This cut glass trong point with the firm, and they have many examples in perfume and smelling bottles on show. A new little thing pill-tube with a slide top instead of a screw one, k us as a thing that is wanted. A good exhibit of ous-labelled bottles is also included, those with the e line outside the gold being a distinct improvement.

tter & Clarke, as may be expected, show a large ty of crude drugs and herbs, as well as a big assortment id extracts. Bird-seeds are also an attractive feature at tand, and so is coca-kola tonic-wine, with and without ne, in 1*s.* bottles, a remarkably low-priced preparation. firm have lately gone in for drug-culture, and to this end acquired a herb-farm at Carshalton, where they pro- their own lavender, peppermint, and chamomiles, of h fresh specimens, all of the new crop, are shown. A ograph representing Mr. J. Goddard Clarke, J.P., and sistants, in the middle of his lavender-fields, also adorns tand. We must not forget the 1*d.* "Sweet-kiss" sachet, h is among the attractive features of the exhibit.

ice's Patent Candle Company (Limited) show their les, soaps, and glycerines. A model of the well-known e of "Liberty enlightening the world" looks well in The "Regina" toilet-soap and nursery-soap bulk ly in the exhibit, and it is needless to say that "Price's nt Glycerine" is well to the fore.

* * * *

ndall & Son have a good exhibit, of which coca-wine s a chief feature. They call special attention to the that their coca-wine is a *bonâ-fide* medicated article 0), for which they import the leaves from New York, the wine—a pleasant, full-bodied one—from Barcelona. les the wine, a number of other preparations are n. One of these is the redistilled Mont Blanc lavender nother the oil of lemon, and a third the olive oil—all ally imported by this firm. Linseed-meal—sold at 6*d.* per cwt., one of the cheapest meals in the market— important article of trade with the firm, and Randall's nt-lozenges are famous from time out of mind, so much at 3,500 lbs. of fruit have already been worked into ges by the firm this season.

e Reichenhall Syndicate (Limited) show Joseph 's Austrian pine specialities in the Grand Saloon.

r. R. J. Reuter has a good display of "4711" eau de gne, soaps, and perfumes. One of his newest things is 'Rheingold" scent, guaranteed to be made from natural ers. It looks very nice indeed. There are also some le extracts to retail at 1*s.* 6*d.* per bottle, which should e a useful line. The "4711" soaps seem as popular as —a new variety, the "Lilac," has just been added to old-established favourites as the "Rosa-Rosita" and "Viola-Violetta." Mr. Reuter also called our attention new shaving-cream, which he sells in pots to retail at ach, or in bulk at 1*s.* 3*d.* per lb.

eynolds & Branson have nothing on show this year h has not already been described in the *C. & D.*

oessler & Co., Stratford, show some cheap lines in ensing-corks.

de St. Dalmas & Co. are the only plaster firm at the ibition. They have a large revolving stand upon which laced a variety of their plasters. Adhesive umbilical s, accouchement binders, plaster-of-paris bandages, ostatic plasters, and doctors' emergency cases, are among other lines shown. A novelty recently introduced is the clist's plaster" for mending pneumatic tyres.

* * * *

he St. Ronan's Wells and Mineral-water Company mited), of Innerleithen, have their stand decorated in an with sprigs of heather; but if you did not have that cation of the firm's Scottish origin, you would know it the "St. Ronan's," Walter Scott's novel. St. Ronan's water is recommended as equal in curative properties and agreeableness of taste to any foreign medicinal water.

John Sanger & Sons have many saleable lines on show. Christmas perfumes were the first things we saw; the feature they are making is that the cut-glass bottles are put in a tray which is inserted in the case so that the latter may afterwards be used as a handkerchief-box. The perfumes are novel, and the get-up elegant. Put-up goods are in force—*e.g.*, tooth-powders (carbolic, &c.), with provision for the retailers' names (1*s.* 11*d.* a dozen), nice papier-mâché puff-boxes, a good assortment of sprays, and druggists' sundries generally. Photographic apparatus, &c., are also represented, as well as Digne's cachets, for which the firm are agents.

The Sanitas Company (Limited) exhibit all their specialities. Their latest advertising idea is a book-slate, which is being sold in London streets at 1*d.*

F. Schutze & Co.'s newest thing is peach-bloom soap, which is in oval cakes, white, and promises to be popular. Sweet-lavender soap and milk-and-honey soap are other features in the detergent line, while the firm also make a highly creditable exhibit of Grant's perfumes, and are offering a shaving-set for 1*s.*, which consists of a stick of soap, shaving-brush, and strop. Apart from these things are many druggists' sundries and surgical appliances, of which the chief names alone occupy 6 inches of space, so we shall not venture upon them now.

H. Silverlock's exhibit of labels and chemists' stationery is at the stage end of the hall, and includes a series of labels, engraved in a new style. Amongst these we observed some pretty perfume-labels with round corners, and without border, such as are now used with high-class perfumes.

Stephen Smith & Co. (Limited) exhibit Hall's coca-wine for the first time without the word "coca." In future it is to be known as "Hall's Wine," and we learn that the first effect of this has been to send up the sales of the speciality, the profit on which is secured at 30 per cent., the makers' system of protection appearing to answer admirably. Wines for medicinal purposes and S.V.R. are also exhibited, the stand being one of the most artistic in the theatre.

* * * *

Southall Brothers & Barclay are making a feature of their "Spark" waters. These are aërated beverages made from distilled water, and there are such kinds as "Diamond Spark," "Soda Spark," and "Ginger Spark." They are put up distinctively and attractive, and Dudley Hardy has designed a showcard, "The Gathering of the Sparks," for them, which is as piquant as the waters. All S. B. & B.'s manufactures in galenicals, perfumery, counter specialities, &c., are represented in the exhibit. Amongst perfumes are Christmas cases in Japanese style. A model of the firm's cod-liver oil factory in Norway is also shown.

Stallman & Fulton show their compressed rhubarb in the Gallery, as well as aloin and their brand of sugar of milk made by the National Milk Sugar Company, U.S.A.

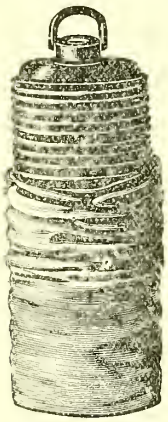
Wm. Sutton & Co.'s exhibit consists chiefly of druggists' sundries generally, with a few examples of photographic apparatus, made by the Thornton-Pickard Company. Amongst the sundries we noticed some pretty cut-glass bottles, called the "tricolor," in which amber, blue, and red colours are prettily dispersed on the surface. In perfumes, the 2-oz. cut squares, with white enamel picture on the front, look a lasting attraction for the toilet-table.

Tidman & Son (Limited) have a good display of sundries. In fact, they have been at special pains to make this department of their show attractive (wherein they have succeeded well), because they want to show that the impression that their sundries-business had been affected by the recent fire at their premises is erroneous. They show some nice things (and cheap at the price) in shaving-mugs, smelling-bottles, soaps, and scents. Tooth-brushes at 2*s.* 6*d.* a dozen are surely a line that could not be improved upon for cheapness.

James Townsend & Son's exhibit is decorated with heather, much in the same style as last year. Here Mr. Dalgleish informed our representative that the pine-tree closet-paper has been going remarkably well lately, and his

firm are doing a good deal in designing trade-marks—a thing which goes well with label-printing, one would think.

William Toogood has a good assortment of druggists sundries on view, including a choice selection of cut-glass bottles. A useful novelty is the corrugated Pasteur water-bottle or foot-warmer (which we illustrate) made of brass or tin. They are well made and finished, being fitted with a strong screw lid, which obviates risk of leakage. Among other sundries may be mentioned a line of dusting-powder boxes with gauze attachment in lieu of perforation, boxwood-top powder bottles with name, covered pots with burnt-in labels (a Toogood speciality), graduated jars for photographers in assorted sizes, a cheap tin vaporiser, 1- and 2-gallon glass jars for distilled water with easily adjustable metal tap. The process of stoppering bottles and the manufacture of miscellaneous articles, including syringes, breast-tubes, pill-bottles, &c., from glass-tubing is an interesting feature of this exhibit. Mr. Toogood has just issued a new and up-to-date price-list.



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The United British Castor-oil Company (Limited) (why "United"?) shows the product of its comparatively lately-established industry—pure cold-drawn castor oil, prepared without any chemical treatment whatever. The demand for this oil has increased to such an extent lately that the firm have been able greatly to extend their works. They now turn out 1,000 gallons of oil a day. The exhibit, draped in white and pale blue, has a pleasant and refreshing look. The firm also show their "Foodite" chemical manure.

Van Oppen & Co.'s exhibit of No. 54 eau de Cologne is rather in the dark, but the spot is too odorous a one to miss. It may be remembered that this is the eau de Cologne which can be obtained in special odours. The firm are also agents for the Maison violet perfumes, of which the latest is an exquisite "Tatiana," which is put up in the artistic fashion characteristic of violet. Goods for Christmas trade are also exhibited.

Vimbos (Limited) has an exhibit of fluid beef in the Grand Saloon, with a nurse to serve it out, who attracts many to the stand.

H. Weekes & Co. exhibit camphocedra for moths.

Mr. S. B. White exhibits his coca-wine, which has taken so well among provincial chemists since we told, a few months ago, what are the inducements for chemists taking up this brand. Cough-lozenges, extract of malt, and quinine and orange wine are also amongst Mr. White's leading lines.

Vincent Wood showed us a useful ambulance-box fitted with a complete set of "first-aid" requisites, and especially intended for the use of factories, public works, &c. A pamphlet on first-aid is included in the box, and the whole is excellently got-up. In elastic stockings a new pattern has recently been brought out which has the advantage of weighing only half as much as the older shape, because of the saving in silk or cotton material used in the fabric. The stocking has, however, the same power of compression as the old model. This novelty should find a ready market. It will hardly be credited that the firm carry no fewer than 116 different style of suspenders.

* * * *

Wright, Layman & Umney's stand is divided into three sections, devoted respectively to coated pills and other pharmaceutical preparations, soaps and perfumes, and essential oils. Among the pills, we were bidden to observe the handsome show of gelatine-coated pills without pinhole, for the production of which special machinery has been devised. The firm's perfume and soap department appears to be growing rapidly, and a variety of new samples for the coming Christmas trade are on show. They mostly run on popular lines, half-a-crown being, in most instances, the maximum retail-price. Umney's terpeneless essential oils are one of coming big things in British manufact pharmacy. The firm are the first English house who taken up the manufacture of these oils.

Wyleys (Limited) have one of the largest and varied stands in the Exhibition. It is near the entrance is laden with fine specimens of the numerous fluid and extracts, tinctures, pills, compressed pellets, and pre tions of cod-liver oil, malt, &c., for which the firm famous. "Newcacetin" is a new antipyretic and anal offered by this firm. It is put up either in powder for in 5-gr. pellets—the former selling at 1s. 6d., the latt 2s. per oz. An interesting feature at this exhibit is the of podophyllin-resin, and the various other constituen podophyllin-root.

The York Glass Company (Limited) are exhib besides a full selection of dispensing and other bottles largest show-carboy ever made. It is pear-shaped, st 5½ feet high, and holds 11 gallons. It is blown by hu beings. A Lilliputian one, 7 inches high, makes a contrast to it. Our representative was also shown rounds with a minim-measure secured to the inside o stopper.

The Zomela Company (Limited) exhibit perfumery toilet specialities, "Zomela" being an article of the ty vinolia.

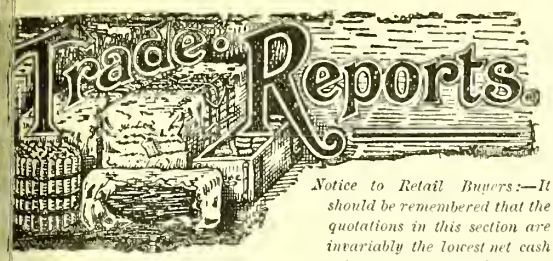
Such are the exhibits. The Exhibition seems to stirred the ire of some of the daily papers, one of w remarks:—"There is a certain violation of proper est feeling in the invasion of an opera-house by any exhi whatever, no matter how important. One cannot imagin pharmaciens thus occupying the National Academy of Mu Paris (fancy a drug-store on the grand staircase of that sple temple of art!), nor the chemists of Vienna installed i splendid Hofburg Theatre. It is matter of taste, no d and of course our Covent Garden is not much to boast as a national opera-house; indeed, it is not one."

The share-capital of the "Chemische Fabrik Buckau, Magdeburg, has been increased by 1,200,000m.

The total value of merchandise of all kinds exported from the United States for the fiscal year ending June 30, 1 was $1,032,000,300, which breaks the record for all previous years in the matter of exports.

Charge against a Manufacturing Chemist.—At North London Police Court, before Mr. D'Eyncourt, on Thursday, John Adams (member of the firm of Ad Webster & Co., manufacturing chemists, of Hackney W and resident at Rothbury Road, Hackney) was fined 40s. 2s. costs for travelling on the London and North-Wes Railway without paying his fare and with intent to defr

The Pharmacists of Paris, at least those belongin their Syndical Chamber of Paris and the Seine Departm have lately divided themselves into ten circumscription sections, each of which represents two of the twenty ar dissements of the city, though a leading pharmacist here, whose opinion I have the greatest respect, albeit he something of a pessimist, confided to me the opinion other day that the innovation does not look as thoug would be replete with very fruitful results. In some of districts local societies were already in existence, amo which may be mentioned the *Société de l'Etoile*, w periodically unites pharmacists who are in business withi certain radius of what the "Man from Monte Carlo" cal the "Great Triumphal Arch." A very energetic body, to the Society of the XI. arrondissement, which publishe journal of its own and appears to have some very progres men amongst its members. I am told that the pharmac of the 6th circumscription (9th and 18th Arrondissemen have decided to meet once a month for the purpose of cussing subjects of interest. Something like sixty invitati were sent out, and forty-six answers were received for first meeting. Ultimately twenty-four attended the reuni and ten sent voting proxies. They discussed the evergr question of "Patents," and resolved to make a pool arran ment for purchasing in order to secure the largest discou The nearest they could get to the cutting question wa decision not to sell patents at cost price. They also deci to hold a quarterly dinner.



Notice to Retail Buyers:—It should be remembered that the quotations in this section are invariably the lowest net cash prices actually paid for large quantities in bulk. In many cases allowances have to be added before ordinary prices can be ascertained. Frequently goods must be picked and sorted to suit the demands of the retail trade, causing much labour and the accumulation of rejections, not all of which are suitable even for manufacturing purposes. Further points which should be borne in mind are that the distributor generally has to bear the bulk of the freight-charges on the goods on their way from the producer to the retailer, and that for many articles the range of quality is very wide.

42 CANNON STREET, E.C., *August* 19.

e Arsenic ustry.

Some of the English arsenic companies have made contcts for their output at 17*l.* and 18*l.* per ton, a price which still leaves a fair margin to the middleman, considering that 23*l.* 10*s.* to 24*l.* is obtained for powder in a wholesale way. This adnce in price makes a great difference to the financial urns of such English mines as East Pool and Tincroft, l it is also causing great activity in working new mines. senic is increasingly in demand in the manufacture of ass, wall-paper, and other articles, and is also used for ghening steel and in the preparation of sheep-dips. oper's sheep-dip people are understood to be now engaged arsenic-mining in Cornwall—at Great North Downs and ewhere.

va Cinona—ck-bottom ached.

The annual report of the Society of the Java Cinchona ltivating Company, "Garoet," of Amsterdam, states that the year 1896 has resulted in a net loss of 582 florins (about 50*l.*), which, added to the loss of the previous year, makes a total loss since 1894, of 16,351 florins. The total expenses ring the year amounted to 16,269 florins, and the revenue the 54,690 kilos. of bark, sold at auction in Amsterdam ring the year, to 15,687 florins. The prospects are conlered fairly satisfactory, but the directors propose to rvest only so much bark as is absolutely necessary, in der to allow their plantations to mature.

amburg elegram.

Our Hamburg correspondent telegraphs on Thursday rening that *Star-anise* is firm at 185m. per 100 kilos., this price marking an advance of 5m. on the last quotation. *Quillaia* bark is also advancing, e current quotation being 40m. per 100 kilos. *Spermaceti* quoted at 295m. per 100 kilos.

ew York ablegram.

Our New York correspondent telegraphs on Thursday fternoon that all kinds of American barks are scarce and advancing. *Balsam copaiba* is also a scarce article, Central American being quoted at 41½c. er lb. *Cascara sagrada* is being offered at 3¾c. per lb. An dvance of 2c. per lb. is recorded for *Spermaceti*, with a likehood of a further rise. There has been a good demand for *Yum chicle*, the arrivals in New York being rapidly absorbed. here is now nothing offering on the spot. The farmers are ow beginning to offer their autumn root-crop.

ACONITE.—Of *Japanese* root 14 boxes were bought in at 8*s.* per cwt.

ALOES.—Of *Cape aloes*, only 23 cases were offered to-day, f which 13 sold at steady prices, ranging from 22*s.* per lb. or good bright to 19*s.* for fair and 16*s.* for ordinary drossy quality. Of *Curaçao* aloes, 128 boxes were offered, but none of these were sold. *Socotrine* aloes plentiful. The supply consisted of about 160 packages, but all of these were bought in, good quality at from 82*s.* 6*d.* to 85*s.* per cwt.; fair hard to slightly soft *Zanzibar* was bought in at 75*s.* per cwt.

AMERICAN DRUGS (VARIOUS).—The following are some current quotations:—*Barks: Angostura*, 26*s.*; *Bayberry*, 21*s.*; *Cotton-root*, 23*s.*; *Sassafras-root*, 3½*d.* per lb.; *Simaruba*, 6½*d.* per lb.; *Wahoo* of root, 8*d.* per lb.; *Wild cherry*, 2¼*d.* per lb., and *Witch hazel*, 2½*d.* to 2¾*d.* per lb., all c.i.f. terms. *Elder-flowers* offer at 5*d.* per lb., c.i.f., and *Grindelia robusta* at 3*d.* per lb. c.i.f. *Lobelia herb*, pressed, in ¼ and ½ lb. packets, 7*d.*; loose ditto, 6½*d.* per lb. c.i.f. *Witch hazel leaves* are quoted at the same price as bark. The following are some of the current quotations for roots:—*Gelsemium*, 20*s.* per cwt.; *Podophyllin*, from 21*s.* to 23*s.*, which is again lower; *Stillingia*, 18*s.* per cwt., and *Cohosh*, from 18*s.* to 20*s.*; *Golden seal* root offers at 1*s.* 1*d.* to 1*s.* 2*d.* per lb., *Kava-kava* at 8*d.*, *Culvers* root at 4½*d.*, *Sanguinaria* at 5*d.*, *Serpentaria* at 1*s.*, and *Spiyelia* at 10*d.* to 11*d.* per lb. All these are c.i.f. terms, and for quantities the quotations might be shaded somewhat.

ASAFŒTIDA.—Firmly held, but in rather better supply than had been anticipated. A parcel of 211 cases was bought in at varying prices, from 80*s.* per cwt. downwards.

BALSAMS (MEDICINAL).—Of *Tolu* balsam, 6 cases fair soft were bought in to-day at 2*s.* 9*d.* per cwt. *Peru* balsam was represented by 5 cases, of which 1 was reported to have been sold privately; the remainder, showing fair quality, was bought in at 7*s.* 9*d.* per lb. Of *Copaiba* balsam, 1 cask of *African* was bought in at 10*d.* per lb., an offer of 6*d.* meeting with no response. *South American* varieties were rather plentiful, 27 cases Angostura from Venezuela being shown; 1 of these, of fair quality, realised 1*s.* 6*d.* per lb. The rest was bought in at 2*s.* 2*d.* Two casks good *Maranham* were bought in at 2*s.* 1*d.*; and 5 cases thin pale *Pará* at 2*s.* per lb.

BELLADONNA-ROOT remains extremely firm. It is said that on the Continent the drought has interfered with the development of the root, and the quality is poor—40*s.* per cwt., c.i.f., is asked. At auction, 3 bales fair to chumpy sold without reserve at the high price of 39*s.* per cwt.

BENZOIN.—Of *Siam* benzoin, 40 cases were offered, but only 9 sold at rather easier prices. Pale, small to medium almonds, partly blocky, weak flavour, at 18*l.*; fair bright siftings, at 6*l.* 10*s.* to 6*l.* 15*s.*; loose and blocky mixed small pale almonds, at 5*l.* 15*s.*; and ordinary dark blocky siftings, at 45*s.* per cwt. Of *Sumatra* benzoin there was a very large supply, amounting to about 525 cases, of which some 85 sold at 7*l.* for fair almondy seconds; 5*l.* 15*s.* down to 4*l.* 10*s.* for ordinary seconds and false-packed corners; and from 97*s.* 6*d.* down to 95*s.* for ordinary false-packed. For low woody *Penang* gum 47*s.* 6*d.* to 52*s.* 6*d.* was paid. All the *Palembang* offered was bought in at nominal prices. This marks a decline of about 10*s.* in the price of Sumatra gum.

BIRDLIME.—Of 7 cases *Japan*, 4 were bought in at 7½*d.* per lb., and 3 of somewhat inferior quality sold at 6*d.*

BORAX.—Sales of refined crystals have lately been made at 14*l.* 10*s.* per ton, the lowest figure which the article has ever touched.

BUCHU-LEAVES are again dearer. Very little was offering at auction. Of 11 packages round leaves, 10 sold at 2¾*d.* per lb. for ordinary yellow damaged, 3½*d.* for fair, and 4½*d.* for good round green.

CALUMBA remains very scarce, but no sales were effected to-day, although about 100 bags were shown. These were bought in at from 28*s.* to 30*s.* per cwt. for medium rather dark mixed washed.

CAMPHOR (CRUDE) has been very quiet; the price on the spot has undergone no alteration. For *Formosa* 92*s.* per cwt., c.i.f., appears to be the nearest price. The general quotations for *Japanese* camphor are too high in proportion to the price of *Chinese*, 105*s.* per cwt. being asked.

CAMPHOR (REFINED).—There has been no further change in the price, but the article is extremely firm with a higher tendency. For 1 cask shown at auction 1*s.* 3*d.* per lb. is

asked, and a lot of 50 cases *Japanese* refined camphor in squares was bought in to-day at 1*s.* 4*d.* per lb., a bid of 1*s.* 1*d.* being rejected.

Cardamoms.—The supplies were only moderate, amounting to about 185 cases, nearly all of which sold at irregular prices, but on the whole with good competition, and at an advance of from 2*d.* to 3*d.* per lb. for medium and good qualities. *Ceylon-Mysore*, medium to bold bright pale, realised 3*s.* 7*d.* to 3*s.* 9*d.*; fair, medium pale, 3*s.* up to 3*s.* 4*d.*; small to medium good pale, 2*s.* 10*d.* to 2*s.* 11*d.*; small, partly long, mixed pale, 2*s.* 6*d.* to 2*s.* 8*d.*; brown and lean mixed, 2*s.* 5*d.* to 2*s.* 6*d.*; dull, brown, and partly split, 2*s.* 3*d.* to 2*s.* 4*d.* per lb. Bold *Tellicherry* 2*s.* 6*d.* per lb. A fair quantity of *Seed* sold, according to quality, at from 2*s.* 4*d.* up to 3*s.* 1*d.* per lb.

Cascara Sagrada still remains entirely neglected. Two parcels, together 137 bales, were bought in at from 13*s.* 6*d.* to 14*s.* per cwt. The quality was fair.

Cascarilla.—Seventy-six bags were shown at to-day's auctions, of which 21 sold at 45*s.* per cwt. for good bold quilly, and 27*s.* 6*d.* for ordinary small lean mixed.

Cinchona.—At to-day's drug-sales there was little of interest. Of 13 serons ordinary thin *Guayaquil-Loxa*, 1 sold at 6½*d.* per lb. A sea-parcel of 50 bales *Guayaquil* bark was bought in at nominal rates: 1*s.* per lb. for fair bright quality. Five serons flat *Calisaya* are held for 1*s.* 2*d.* to 1*s.* 4*d.* per lb. A parcel of 59 bales *Maracaibo* was also shown; 6*d.* was asked for it, but no one made a bid. Another lot of 10 serons so-called *Loxa* bark realised 8½*d.*, and 10 serons of good bright *Huanoco* 1*s.* 2*d.* per lb. At auction on Tuesday the small supply of 856 bales was offered, and sold, with good competition, at a steady price, the unit being ¾*d.* per lb. Ceylon and East Indian *Ledger* bark realised 2*d.* to 5¼*d.*; officinalis, 3*d.* to 5*d.*; Succirubra, 4⅝*d.*; Hybrid, 2⅞*d.* to 4¼*d.* per lb. Java *Ledger* brought 3⅜*d.* to 6¾*d.* per lb. A few lots old *Soft Colombian* (S. American) bark, of 1882-83 import, sold at 2¼*d.* per lb.

Civet is in rather plentiful supply. Thirteen horns were shown to-day, and bought in at 21*s.* to 25*s.* per oz. respectively. Ten of them were of recent import from Constantinople.

Coal-tar Products.—*Benzol* firmer at 2*s.* for 90's or 50's Solvent *Naphtha* offers at 1*s.* 7*d.* for 90-per-cent; 1*s.* 6*d.* to 1*s.* 8*d.* per gallon for 95-per-cent.; crude 30-per-cent., 11½*d.* to 1*s.* 0½*d.* per gallon. *Toluol* is quoted at 2*s.* 4*d.* *Aniline* oil and salts, 7½*d.* per lb.

Coca-leaves remain neglected. No sales were effected to-day, brown *Huanoco* leaves were bought in at 8*d.* per lb., ordinary broken *Truxillo* at 5*d.* per lb. Fifteen bags powdered leaves from Amsterdam were bought in at 6*d.* per lb.

Colocynth is quite neglected for the moment. Fourteen bags *Spanish colocynth*, in pulp, were bought in at 4*s.* 6*d.*, while good pale *Turkey* apple was bought in at from 1*s.* 3*d.* to 1*s.* 6*d.* per lb.

Condurango.—Several lots, amounting to about 85 bales, were shown; fair quality was bought in at 2¼*d.* per lb., which is the price asked, and a bid of 2*d.* was rejected.

Copper (Sulphate).—Steadier at 16*l.* 5*s.* per ton f.o.b. Liverpool, and from 15*l.* 5*s.* to 16*l.* 5*s.*, according to brand, on the spot.

Cubebs.—In over-supply and quite neglected. About 220 bags, in various lots, were shown at auction to-day. Clean sifted from Bombay were bought in at 32*s.* 6*d.*, ditto from Singapore at 30*s.* per cwt., 27*s.* 6*d.* being named as the price for the latter. A large parcel of rather ordinary berries was bought in at 23*s.* per cwt.; siftings at 10*s.* per cwt.

Cuttlefish.—Of 3 casks small to fair pale quality, one sold to-day at the low price of 2½*d.* per lb. For the remainder a bid of 2¼*d.* is to be submitted.

Dragon's-blood.—Good qualities are fairly steady. Of 69 cases Singapore gum, mostly consisting of medium grades, 9 sold at 10*l.* 12*s.* 6*d.* per cwt. for good bright lump, and 5*l.* 15*s.* to 6*l.* 10*s.* per cwt. for rather dull, partly seedy, quality of poor colour.

Ergot of Rye remains quite neglected. Fair *Ru*[illegible] was bought in to-day at 6*d.* per lb.; 5 bags very w[illegible]y ergot from Hamburg sold, subject to paying charges, [illegible]d. per lb. Wormy *Spanish* ergot was bought in; for old [illegible]ot, 1895 import, 6*d.* per lb. is asked.

Euphorbium.—A parcel of 10 serons from Mazagan [illegible] offered without reserve. The quality was ordinary [illegible]ty and mixed with wood, as usual. The lot realised 8[illegible]d. per cwt.

Fennel-seed.—Forty-one bags of East Indian seed [illegible]ld at the low figure of 11*s.* per cwt.

Gamboge.—Dull of sale, and difficult to place ev[illegible] at low rates. One case of fair, partly ricy pickings, sold t[illegible]ay at 7*l.* per cwt.; 50 others were bought in.

Gentian-root.—Firmly held, but without alteratio[illegible] in price.

Guaiacum realised good prices to-day. Of 49 pack[illegible]es, 29 sold, good glassy block, at 1*s.* 8*d.*; fair almondy [illegible]ee, partly blocky, 1*s.* 6*d.*; fair blocky, 1*s.* 3*d.*; ordinary d[illegible]sy block, 5*d.*; and very common rubbish, 1½*d.* to 2*d.* per lb.

Henbane.—English henbane is likely to be dearer.

Honey.—The new crop of *Jamaican* honey was in r[illegible]er large supply, and sold again at somewhat lower p[illegible]es, although most of it was bought in. Of about 170 barre[illegible]35 changed hands at from 27*s.* down to 22*s.* per cwt. for [illegible]ir pale amber to ordinary dark liquid. *Californian* honey [illegible]as all bought in, at 37*s.* to 37*s.* 6*d.* per cwt. for fair bright ye[illegible]w. Of 66 packages *Chilian*, 46 of fair pale quality sold ch[illegible]ly at 22*s.* to 23*s.* per cwt., and (subject to approval) at [illegible]s. per cwt. Various parcels of *New Zealand*, *Queensland*, [illegible]d *S. Australian* honey were bought in at nominal price.

Ipecacuanha.—*Brazilian* root, of which 47 bales [illegible]s offered, is slightly easier; in some cases 1*d.* per lb. lo[illegible]r. Eight bales sold at 6*s.* 2*d.* to 6*s.* 4*d.* per lb. for fair, pa[illegible]y stout, sound root, and at 6*s.* 2*d.* for slightly damaged d[illegible]o. *Carthagena* ipecacuanha is also a trifle easier. Of 19 b[illegible]s, one sold publicly at 4*s.* 9*d.* for fair, slightly damaged, [illegible]d two were reported sold privately.

Jalap.—Quiet. Of 37 bales catalogued, 3 were repo[illegible]d sold privately; for the remainder, fair unworked *Vera C*[illegible], 5*d.* per lb. is asked.

Kola is in somewhat better request, but prices rem[illegible]n low. A parcel of 25 bags dried *African* nuts, in quart[illegible], sold at 2½*d.* per lb., while another lot was bought in at [illegible]. For 6 bags fair washed quality a bid of 3*d.* is to be s[illegible]mitted. *West Indian* were also in rather large supply, [illegible]t were all bought in at from 4*d.* to 5*d.* per lb.

Menthol is firmly held at 6*s.* 3*d.* per lb. on the spot, a[illegible]l 6*s.* per lb., c.i.f. terms. At auction 2 cases were bought [illegible]n at 6*s.* 6*d.* per lb.

Mercurials.—Although the recent drop in quicksil[illegible]r would have warranted a reduction of 1*d.* in the price [illegible]f mercurials, no change has been made, as the makers consi[illegible]r that the drop in quicksilver is not likely to last very long.

Musk.—Neglected. The better demand which some [illegible] the holders appear to expect has not shown itself so [illegible]. At auction, 7 caddies *Tonquin* pods, first pile, were bou[illegible] in at 85*s.* per oz. for good thin-skin pods. Third-pile mu[illegible] ordinary thick to damp fair, was bought in at 30*s.* to 5[illegible] per oz.

Myrrh is still in large supply, about 90 packages bei[illegible] shown to-day, although the bulk of this was of infe[illegible] quality. For good picked *Aden* gum 5*l.* per cwt. is ask[illegible] while fair to good sorts were bought in at from 55*s.* to 6[illegible] siftings at 50*s.* to 53*s.*, and pickings at 25*s.* per cwt.

Oil (Castor).—Still tending higher. Good to fine fi[illegible] *Calcutta* oil shown to-day was bought in at 3⅞*d.* to 4*d.* [illegible] lb., and for best *Italian* from 44*s.* to 45*s.* per cwt., f.o.b., [illegible] asked.

Oil (Cod-liver).—Two 40-gallon casks of *Norwegi*[illegible] cod-liver oil were offered to-day, and bought in at t[illegible] excessive price of 125*s.* per barrel. The only bid made w[illegible] one of 45*s.*, which was not entertained. It is said th[illegible] privately the market is rather firmer, and that fine *Lofot* oil cannot be had under 70*s.* per barrel.

ils (Essential) show very little alteration. *Japanese peppermint oil* is quoted at 3*s.* per lb., c.i.f. terms for dementilised, and 4*s.* for 40-per-cent. oil. At auction 10 cases dementholised were bought in. A parcel of 5 cases D and O *American peppermint oil* in bottles sold at 4*s.* 6*d.* per lb. net. *English peppermint oil* is offering at rather lower prices, some holders standing out for 23*s.* or 24*s.*, but others appear to be inclined to accept as low a price as 21*s* per lb. for good new-crop *Mitcham*. Of *Lavender* oil two Winchesters English were shown to-day, and bought in at 70*s.* Ten cases fair *Eucalyptus oil* were bought in at 13*d.*, a bid of 9*d.* being refused, while for another lot of 5 cases 10*d.* per lb. is asked. *Nutmeg oil* was bought in, according to holder, at from $2\frac{3}{4}$*d.* to 3*d.* per lb., *Fisher's Patchouli oil* at 1*s.* 2*d.*, unworked *Star-anise oil* at 8*s.* 6*d.*, and a large quantity of *Cinnamon* leaf and bark oils at nominal prices. Two cases of good *Cinnamon oil* sold at 17*d.* per oz. For a case of West Indian *Oil of limes* 4*s.* 3*d.* per lb. is the limit, and a case of *West Indian laurel* oil was bought in, 1*s.* 6*d.* being suggested as an acceptable price.

Orris.—New crop *Florentine* root is offering very cheaply from Italy, although the prices do not as yet appear to have been definitely settled. Good selected *Florentine* offers at 4*s.* per cwt., c.i.f. terms. At auction 15 bags *Verona* were shown, for which from 34*s.* to 38*s.* per cwt. is asked by holders, and 8 bags partly darkish mixed *Florentine* were bought in at nominal prices.

Potash-salts.—*Chlorate* dull of sale at $3\frac{7}{8}$*d.* to 4*d.* per lb. *Saltpetre*, 19*s.* 6*d.* to 20*s.* 6*d.* for British refined, according to packing. *German* 3*d.* to 6*d.* per cwt. less. *English yellow prussiate* offers at $5\frac{3}{4}$*d.* per lb., *Bichromate* at $4\frac{5}{8}$*d.* to 5*d.* per lb.

Quicksilver is rather firmer, although no change has been made in the price. First hand still offers at 6*l.* 17*s.* 6*d.*, while second-hand holders require 6*l.* 17*s.* per bottle.

Quillaia is hardly obtainable on the spot, and prices are rising rapidly; 21*s.* per cwt. has been paid this week, and 25*s.* is asked to-day. At auction 12 bags were shown and bought in.

Quinine.—Is almost unaltered, but if anything slightly firmer since last week. It is said that some agents for German brands are still selling to wholesale druggists at 9*d.* per oz., but in the open market $9\frac{1}{2}$*d.* is apparently the lowest price, and at that price 7,000 to 8,000 oz. changed hands this week. It would not be possible to buy at a lower quotation. At auction to-day 1,000 oz. of *Taillandier's* quinine in 100 oz. tins were shown and bought in at 10*d.* per oz., $9\frac{1}{2}$*d.* being the price.

Rhubarb.—In increased supply and rather slow demand. About 285 cases were offered to-day, of which only about 50 sold, with difficulty, at a general reduction in price of about 1*d.* per lb. For good medium to bold round *Shensi* it is said that 2*s.* 2*d.* is obtainable privately, but that price could not be obtained at auction. Of new-crop *Canton* root a fairly large quantity sold—good round trimming root, at 8*s.* 7*d.*; fair, medium to bold, round, 1*s.* 6*d.*; small to medium round, 1*s.* 4*d.*; flat ditto, 1*s.* 5*d.*; pickings, round and flat, partly wormy, at 1*s.* to 1*s.* 1*d.* per lb. High-dried, medium to small, mostly dark, partly pinky fracture, $8\frac{3}{4}$*d.* to 9*d.* per lb.

Saffron.—For the present the market in *Spanish* saffron is stationary, but there have been a good many rumours lately that the severe drought is likely to affect the growth of the plant, and that last year's advance will be repeated.

Sarsaparilla.—Genuine *Jamaica* sarsaparilla, of which 41 bales were offered to-day, is still firmly held, 2*s.* per lb. being the lowest price from most holders. One of them, in fact, refused 1*s.* 11*d.* at auction. Twenty-six bales, however, sold at 1*s.* 11*d.* for sound, and 1*s.* 8*d.* to 1*s.* 10*d.* for damaged quality, which shows a reduction in price of about 1*d.* per lb. Of red *Native Jamaica* several bales sold at 10*d.* to 11*d.* per lb., and 8 bales of damaged *Lima-Jamaica* realised 1*s.* 4*d.* per lb.

Seeds (Various).—Of Russian and Italian *Anise* several parcels were offered, but few sales were made, although the market is firmer privately; the only parcel which sold was one of 20 bags from Marseilles, for which 16*s.* was paid. A parcel of fair East Indian *Annatto-seed* was bought in at $2\frac{1}{2}$*d.* to $3\frac{1}{2}$*d.* per lb. A small lot of *Dill-seed* of good quality was bought in at 18*s.* per cwt.

Senna.—*Tinnevelly* was represented by about 200 bales, of which three-quarters sold at practically unchanged rates, the bulk being of inferior quality. From 1*d.* to 2*d.* per lb. was paid for ordinary dark discoloured, small to medium leaf; $2\frac{1}{4}$*d.* to 3*d.* for small to medium, fair. Of *Alexandrian* senna a large quantity of leaves was bought in, whilst good pods sold at 4*d.* to 5*d.* per lb.

Soda Salts.—*Nitrate* quiet and unchanged, at 7*s.* $7\frac{1}{2}$*d.* per cwt. for refined, and 7*s.* $4\frac{1}{2}$*d.* for ordinary quality. *Caustic* steady, at the following figures:—76-per-cent., 8*l.* 15*s.*, f.o.b. Tyne or Liverpool; 74-per-cent., 8*l.* 5*s.*, f.o.b. Liverpool; 70-per-cent., 7*l.* 5*s.*, f.o.b. Liverpool, or 7*l.* 10*s.* on the spot, London; and 60-per-cent., 6*l.* 5*s.*, f.o.b. Liverpool. Crystals steady, and rather difficult to obtain for immediate delivery. On the spot 50*s.* to 52*s.* 6*d.* is quoted, according to packing; on the Tyne 52*s.* 6*d.*, and in Liverpool 57*s.* 6*d.*, f.o.b. *Hyposulphite* may be had in kegs at 5*l.* 15*s.* on the spot, and in casks at 5*l.* per ton, f.o.b. Tyne. For *Bicarbonate*, spot quotation in kegs is 7*l.* 5*s.*; Liverpool, according to packing, 6*l.* 5*s.* to 6*l.* 15*s.*, f.o.b. *Bichromate of soda* may be had at $3\frac{5}{8}$*d.* per lb. Fifty-eight per cent. *Alkali* still offers at 77*s.* 6*d.* in bags on rail or 80*s.* per ton, f.o.b. Liverpool.

Star-anise is dearer, and in demand. Several lots were shown to-day, but bought in at from 90*s.* to 93*s.* per cwt. for good *Chinese*. It is said that privately 85*s.* per cwt. is paid. Five cases of spurious *Japanese* star-anise, without aroma, sold at 5*s.* per cwt.

Sulphur.—Still tending higher. *Foreign* flowers 6*l.* 15*s.* *Roll* 6*s.* 5*d.* on the spot. *Recovered sulphur* offers at 95*s.* per ton f.o.b.

Vanilla.—At to-day's auctions a fair supply sold firmly at 1*s.* to 2*s.* per lb. advance. At Bagamoyo (German East Africa) the cropping and curing of vanilla was proceeding in June. Owing to want of rain, the quality of the beans will be below the average. Six hundred cuttings have been brought over from Bagamoyo for establishing a plantation at Dunga. Fine crystallised, 7 inches to 8 inches, realised 26*s.* to 28*s.* 6*d.*; good fresh, $4\frac{1}{2}$ inches to 7 inches, 26*s.* 6*d.* to 24*s.* per lb.

Various Drugs.—*Acacia gum* of various kinds was in rather large supply, but no sales were effected to-day. Good pale *Soudan* sorts were bought in nominally at 90*s.* per cwt.; good *Aden* at 65*s.* per cwt. *Ambergris*: 4 tins were bought in at to-day's auctions. A parcel of *Bael-fruit*, fair sliced, dried, was bought in at 8*d.* per lb.; $6\frac{1}{2}$*d.* was suggested, but there were no bids. *Cannabis indica* in fairly large supply: partly dusty and broken tops, rather stalky, were bought in at $3\frac{1}{2}$*d.* to $3\frac{3}{4}$*d.* per lb. Of *Canella alba*, a small lot of fair pale quality was bought in at 25*s.* per cwt. *Cassia fistula* neglected. A parcel of 35 bags, good bold, from *Dominica* was bought in; for another of 11 baskets thin wormy pods from Java 8*s.* was suggested. Sixteen packages from South America were taken out without mention of price. *Chiretta*: 5 bales of fair quality were bought in at 2*d.* per lb. *Croton-seed* neglected; a small parcel of fair, rather dark, mixed seed from Ceylon was bought in at the entirely nominal price of 80*s.* per cwt.; the best bid for it at auction was 25*s.* Ten packages fair, slightly damaged, *Galangal* root sold, subject to approval, at 25*s.* per cwt. *St. Ignatius' beans* remain quite neglected. A parcel of 23 bags, which has been shown previously, was again offered, and bought in at $4\frac{1}{2}$*d.* per lb. There is no demand for *Kamala*, of which 2 cases were bought in at 5*d.* per lb. to-day. *Mastich* remains neglected. Three cases pale to yellow drop were bought in at 1*s.* 6*d.* per lb. *Pareira brava*: Of this drug, which is now seldom seen at auction, 10 bags were offered. A bid of 25*s.* per cwt. was refused, the parcel being bought in nominally at 70*s.* per cwt. Of *Patchouli-leaves*, several lots were shown, amounting altogether to about 40 packages, but the whole of these were bought in at prices ranging from $4\frac{1}{2}$*d.* to $6\frac{1}{2}$*d.* for very dark and mouldy to fair mixed leaves. *Quassia* remains neglected; 20 tons of logs were shown to-day, and bought in at 3*l.* 15*s.* per cwt. For 8 bags fair *Quince-seed* from Cape Town 1*s.* per lb. is the limit. Seven bales of *Simarouba-bark* sold at 3*d.* per lb. to-day. *Squills* neglected; 3 bags good pale quality realised $3\frac{1}{2}$*d.* per lb. Six bags fair green *Kombé strophanthus* were bought in at 3*s.* 3*d.* per lb.; and several lots of *Tamarinds* were bought in, dark dry *West Indian* at

5*s.* per cwt. Two cases *Chinese vermilion* sold at 2*s.* 2*d.* per lb.

Wax (Bees').—Generally easier, especially for *Jamaican*, which was fully 2*s.* 6*d.* per cwt. lower. A large supply of this was offered, and a fair proportion sold at from 7*l.* 12*s.* 6*d.* to 8*l.* per cwt. for rather dark to good red mixed quality, while very fine brought 8*l.* 15*s.* per cwt. For fair *Cape* wax 7*l.* was paid, and some rather wormy *Madagascar* sold at 5*l.* 10*s.* per cwt.; but the bulk of the last-named variety was bought in. Of *German* bleached fine white "genuine beeswax," LW mark, a lot was shown and bought in at 8*l.* per cwt., which is said to be the price. For 9 cases white bleached *Calcutta* a bid of 5*l.* 5*s.* is to be submitted. A quantity of *Zanzibar* wax sold rather cheaply at from 5*l.* 12*s.* 6*d.* to 5*l.* 17*s.* 6*d.* per cwt., and for some fair *Australian* 6*l.* 5*s.* per cwt. was paid. The following figures refer to the exports of beeswax from the Portuguese colony of Angola (West Africa) during the past two years:—

—	1895	1896
	Tons	Tons
Loanda	215	225
Benguela	300	320
Mossamedes	6	7
Total	521	552

Wax (Carnauba).—Slow of sale at from 55*s.* to 75*s.* for fair to fine bright yellow, and from 40*s.* to 45*s.* for dull grey quality.

Wax (Japan).—Offers at 36*s.* per cwt., c.i.f. terms. At auction 50 cases of good pale squares were bought in at 42*s.* 6*d.* per cwt.

The Market in Heavy Chemicals.

There is little change to report this week either in the position of the various products of the heavy-chemical market or in the extent of the general demand. Values all round are firm, and the business passing, though it might be heavier, might certainly be much worse. In the *Tar-products* market prices are fairly steady, with business quiet. Solvent *Naphtha*, 95 per cent., 1*s.* 9*d.* to 1*s.* 10*d.*; 90 per cent., 1*s.* 7*d.* Crude *Naphtha*, 30 per cent., 1*s.* to 1*s.* 1*d.*; creosote, 1⅞*d.*; liquid, 2½*d.* *Carbolic acids* quietly steady; crude 75 per cent., 2*s.* 3½*d.*; 60 per cent., 2*s.*; crystals, 34–35°C., 6¾*d.*; 39–40°, 7½*d.*; cresylic, 95 per cent., 1*s.* 1*d.* *Anthracene* fairly steady; B grade, 4½*d.*; A grade, 5½*d.* to 6*d.* *Aniline oil and salts* both stand at 7½*d.* *Pitch* weak, 18*s.* 6*d.* to 20*s.* 6*d.*, f.o.b. *Benzols* firm, and both 90's and 50-90's stand at 2*s.* *Caustic soda*, *Bleaching-powder*, and *Ammonia alkali* are all firm at late rates, and in fair request. Recovered *Sulphur* steady. South Durham *Salt* moving freely at 9*s.* per ton f.o.b. Tees. Miscible *Naphtha* firm at 3*s.* 9*d.* Solvent-wood (white colourless), 2*s.* 10*d.* to 2*s* 11*d.* Green *Copperas* is a shade easier, and in rather better supply. *Cream of tartar*, powdered, 79*s.* to 81*s.*; crystals, 76*s.* 6*d.* to 77*s.* *Sulphate of copper*, 15*l* 5*s.*; Liverpool, 16*l.*; Anchor, 16*l.* 5*s.*, with upward tendency. *Sulphate of ammonia* steady; Leith, 7*l.* 8*s.* 9*d.* to 7*l.* 10*s.*; Beckton terms, 7*l.* 7*s.* 6*d.*; Beckton, 7*l.* 8*s.* 9*d.*; Hull and London, 7*l.* 10*s.*; 455 tons were exported from Leith last week. *Saltcake* firm. *Brown acetate of lime* firmly held, and prices tend upwards. Present quotations are for best American, 4*l.* 17*s.* 6*d.*, c.i.f.; Welsh, 4*l.* 15*s.* to 4*l.* 17*s.* 6*d.* *Nitrate of soda* dull; ordinary, 7*s.* 4½*d.*; and refined, 7*s.* 7½*d.* *Bichromates* of potash and soda are moving steadily at unchanged rates. *Lead-compounds* very firm, and higher. *Sugar of lead*, brown, 15*l.* 15*s.*, less 2½ per cent. Glasgow; white sugar of lead, 23*l.*, less 2½ per cent. Glasgow; nitrate of lead, 19*l.* 10*s.*, less 2½ per cent. Glasgow. *Borax* and *Boracic acid* dull and weak. *Linseed* and *Cottonseed cakes* very firm, with advancing tendency in values.

The Liverpool Drug-market.

Our Liverpool correspondent, writing on August 18, reports that during the week there has been more movement in *Kola-nuts*, and about 50 bags have changed hands at prices varying from 2½*d.* to 3*d.* per lb. *Canary seed* has be a very puzzling market, as all the holders have withd their parcels from the market, and neither samples quotations are to be had at the moment; the last sal good Turkish made were at 23*s.* 6*d.* to 24*s.* 6*d.* per qu *Castor oil* is still in a very strong position; good sec Calcutta is getting into very narrow compass, and s have been practically cleared out at 3½*d.* and now 3 9/16*d.* to is being asked, with the prospect of even higher prices i near future. First pressure French is very strong at 3 7/16 3½*d.* per lb., Seconds pressure at 3⅜*d.* to 3 7/16*d.* per lb., Madras is held for 3 7/16*d.* to 3½*d.* per lb. Powdered w *arsenic* is firmly held at 22*l.* per ton. *Sulphate of C* has shown a hardening tendency all the week, and wi doubt be still dearer; present value is 16*l.* per ton to 16*l.* per ton forward. A parcel of Maranham *Balsam cop* just arrived has been sold from the quay at prices ran from 1*s.* 10¼*d.* to about 1*s.* 11*d.* per lb. for quality as ported. *Chilian Beeswax* is in steady demand, though parcel of 8 sacks at auction found no buyers at 7*l.* 10*s.*, lower grades at 6*l.* 15*s.* to 7*l.* being in better dem *Guinea Grains* are selling slowly at 30*s.* cwt. with lim stocks available. *Gums* still lack activity, and there continued absence of business to report. 70*s.* is now qu as the lowest price for Soudan sorts, and for medium gr full prices are also wanted, holders being firm, but ma little progress. *Quillaia bark* is very firmly held at p ranging from 20*s.* to 22*s.* 6*d.* cwt. according to quality, holders talk of even higher figures. *Cream of Tart* unchanged in position, and first white is quoted 81*s.* to cwt. according to quality. *Calabar* beans are flat sellers at 1¾*d.* to 2*d.* per lb. for good sound beans. *A* (*Russian*) firm 15*s.* 6*d.* to 16*s.* cwt.

The Hamburg Market.

Our Hamburg correspondent writes, on August 1 Our drug-market has not changed much since last w although the tendency in general is firm. Russian *A seed* is very firm, at 32m. per 100 kilos. *Borax* is dull, can be bought at 30½m. per 100 kilos. *Camphor* (*refi* shows a firm market, at 260m. per 100 kilos. *Cumin* (*Malta*) is quiet, at 38m. per 100 kilos. *Caraway-seed* firm, and demands to-day 41m. per 100 kilos. *Cassia li* is also firm; holders ask 37m. to 38m. per 50 kilos. for crop, and 44m. to 45m. for prime old quill. *Cinna* is a little dearer; August-September shipment from Ce is held to-day at 9½*d.* per lb., c.f. Hamburg. Rus *Cantharides*, 350m. to 355m. per 100 kilos. *Calumba* is firm; good natural, 55m. per 100 kilos. *Ergot of ry* steady, at 95m. to 100m. per 100 kilos. *Honey* show fair demand for good sound Chilian, Pile II. and III., w Peruvian honey is offering in vain at 44m. per 100 kilos., Hamburg. *Menthol* is firmer; 13¾m. to 14m. per kilo. *Lycopodium* is unchanged, at 265m. per 100 kilos. *Pe* is very firm, with a strong market for black Singapor 62m., Lampong at 54m. per 100 kilos. *Quinine* unchan at 23m. per kilo.; America has bought a quantity. *S anise* is very firm and dearer; to-day's price is 185m. 100 kilos. *Cod-liver oil* unchanged, at 69m. to 70m. for congealing oil in barrels. *Castor oil* very firm; several of French oil (first pressing) were sold, floating, at 62m. 100 kilos., and 64m. is asked for spot delivery. *Cassia* quiet. *Citronella* a little easier. *Star-anise oil* is firm 17m. per kilo. *Peppermint oil*: HGH and Todd quiet 6¼m. per lb.; while Japan oil is firmer, at 6m. per *Japan wax* is very firm, at 78m. per 100 kilos.; w *Carnauba wax* (grey) can be bought at 78m. to 77m. 100 kilos.

The Constantinople Opium-market.

Our Constantinople correspondent writes, under dat August 10, that there is very little in the way of buyin selling going on. Two cases good new *Druggists'* were s early in the week at 6*s.* 6*d.*, and 2 cases old have since b bought for Germany at 7*s.* 6*d.* per lb., f.o.b. This differe is owing to the inferior quality of the new crop. Ther no doubt that there is much to be desired both as reg appearance of paste and yield—the quality being both d and coarse, owing to rains at gathering-season. Altoge present appearances point to the 1897 crop being one of most inferior on record as regards quality. Later arriv however, may be more satisfactory.

Trade Notes.

Mrs. G. B. Kent & Son, brush-manufacturers, 5 Finsbury Road, E.C., have prepared a block of telephone memorandum forms for the use of their customers.

The Belgian Antarctic Expedition, which sailed from Antwerp on August 16, under the command of Mr. Adrien de Gerlache, took amongst its supplies a large quantity of the Liebig Company's extract of meat.

A Jubilee Bonus.—Messrs. Lorimer & Co., Britannia Row, will during this month give a bonus of 6 doz. of their Germicide Soap (1s. cakes) to every buyer of 10*l.* worth of their specialities.

A Hog Haul.—Messrs. Burroughs, Wellcome & Co. have been awarded ten gold medals at the Queensland Exhibition, where they have been exhibiting Kepler malt-products, blocks, hazeline, and their other manufactures.

Messrs. Garnier Fils & Lecerf, of 56 Rue des Francs-Bourgeois, Paris, announce that Messrs. R. W. Hatchinson & Co., Mitcham, for whose peppermint oil they have been consignees since 1885, have now also commenced the manufacture of peppermint lozenges.

Business Changes.

Notices of changes in the retail trade, and opening of new businesses, are inserted in this section free of charge, if properly authenticated.

Mr Edwin Ockwell, chemist and druggist, has opened business in the Bexley Road, Erith.

Mr Walton Porter, pharmaceutical chemist, has commenced business on his own account at the Central Pharmacy, Queen Street, Ulverston.

Mr E. J. Wood, chemist and druggist, has opened a pharmacy at 69 Bootham, York, "for the conducting of legitimate chemist's and druggist's business."

The Timothy White Drug Company have recently opened a branch at 111 and 113 Albert Road, Southsea. This constitutes the twelfth place of business owned by this firm in Portsmouth and neighbourhood.

The business at 95 Newgate Street, Newcastle-on-Tyne, belonging to Mr. Joseph Roberts has carried on for some years, is now merged into the one at 156 Newgate Street, also belonging to Mr. Roberts. The latter business is the very old one established by Mr. Henry Ridley in 1825.

Personalities.

Professor H. H. Rusby, having completed his researches at Kew Gardens, has sailed for New York.

Mr. W. E. Younger, chemist and druggist, Brampton, has been re-elected a director of Brampton Gaslight and Coke Company (Limited).

Mr. William Botham, son of Mr. J. Botham, pharmaceutical chemist, Higher Broughton, Manchester, has passed the London University Matriculation examination.

Sir John T. Brunner, Bart., M.P., has borne the entire cost of renovating and decorating the Northwich Free Library by giving a donation of 520*l.* to the Urban Council.

Mr. E. L. N. St. Cyr, pharmaceutical chemist, Aux Cayes, Hayti, a "Square" man (1891–94), has been made a Commander of the Distinguished Order of Bolivar by the President of Venezuela.

We are asked by the Bradford *Daily Telegraph* to state that the interview with Mr. T. G. Forshaw, which they published July 31 (referred to in our issue of August 7) should have had "Advt." attached to it, as it was an advertisement.

Mr. Harold W. Harrie, F.C.S., a former Students Corner competitor, has won the scholarship in chemistry at the City of London College, and has also been appointed demonstrator in the chemical laboratories of that institution.

The Hon. F. S. Grimwade, M.L.C., accompanied by Mrs. Grimwade and the Misses Grimwade, who are now on their way to Montreal, purpose journeying from there to Vancouver by the Canadian Pacific Railway, leaving the latter place for Sydney on September 4 by the "Aorangi." They hope to be in Melbourne on October 4.

The *Pelican* of Hull has published a "fancy" portrait of Mr. W. Hay, showing him as a little boy in flannels with a sailor hat on, and a funny article goes along with it in which Mr. Hay's commercial versatility is referred to. He still runs a chemist's business, has a new and beautifully equipped essence-factory, an extensive flour-mill where he manufactures Hygeian flour, and has lately taken up the infants' food business. Considering Mr. Hay's greatest achievement it seems quite appropriate that he should have been born in the "Land of Green Ginger," which, we believe, is a street in Hull.

Marriages.

Bevan—Hardy.—On August 11, at St. Catherine's Church, Canton, Cardiff, Martin Luther Bevan, jun., eldest son of Mr. M. L. Bevan, chemist and postmaster, Morriston, Swansea, to Isabella Hardy (Belle), eldest daughter of the late Mr. Joseph Hardy, inspecting engineer, Cardiff.

Turner—Harris.—At St. Cuthbert's Church, Thetford, on August 16, by the Rev. William Glentin Malim, vicar of St. Andrew's, Kilverstowe, William Spencer Turner, pharmaceutical chemist, of Willingham, to Annie, fourth daughter of Mr. Edwin Harris, of Thetford.

Deaths.

Alman.—On August 3, Mr. Francis Alman, chemist and druggist, 26 Park Street, Macclesfield. Aged 76.

Barritt.—On August 17, Mr. Henry Barritt, chemist and druggist, late of High Street, Colchester. Aged 60. Mr. Barritt was a native of Stratford, and commenced business on his own account at Godalming, but removed to Colchester in 1869, where he established the successful business now carried on by his son, Councillor Barritt, from which he retired last winter.

Rooker.—At Moor Street, Brierley Hill, suddenly, on August 17, Mr. Thomas Fletcher Rooker, chemist and druggist. The deceased gentleman on Monday morning went out for a walk, and in the afternoon he went to bed. In the evening he felt unwell, and Dr. Gifford was called in. On Tuesday morning his daughter (Miss Nellie Rooker) went to his bedroom, and from his appearance she came to the conclusion that something was wrong. She went out to fetch a neighbour, and on their return they found him lying on his face quite dead. Mr. Rooker had been in business for a great number of years, and was well known in trade.

Apollinaris-and-whisky seems to suit his Majesty the King of Siam. On his midnight visit to the East-end there was some difficulty in finding cabs, and while they were waiting the royal party adjourned to the Eastern Hotel and refreshed themselves with the above compound.

Determination of Aloin in Aloes (Schafer).—Fifty grammes of aloes are treated with 300 c.c. of boiling water containing a few drops of hydrochloric acid, and when cold the solution is separated from the resin. Fifty cubic centimetres of 20 per cent. ammonia and 15 grammes of calcium chloride in 30 c.c. of water are then added, and the whole well shaken. After fifteen minutes the precipitate is separated, and after being pressed is triturated in a mortar with a slight excess of hydrochloric acid. The aloin and calcium chloride are dissolved in as little boiling water as possible and filtered. On cooling the aloin separates in crystals.

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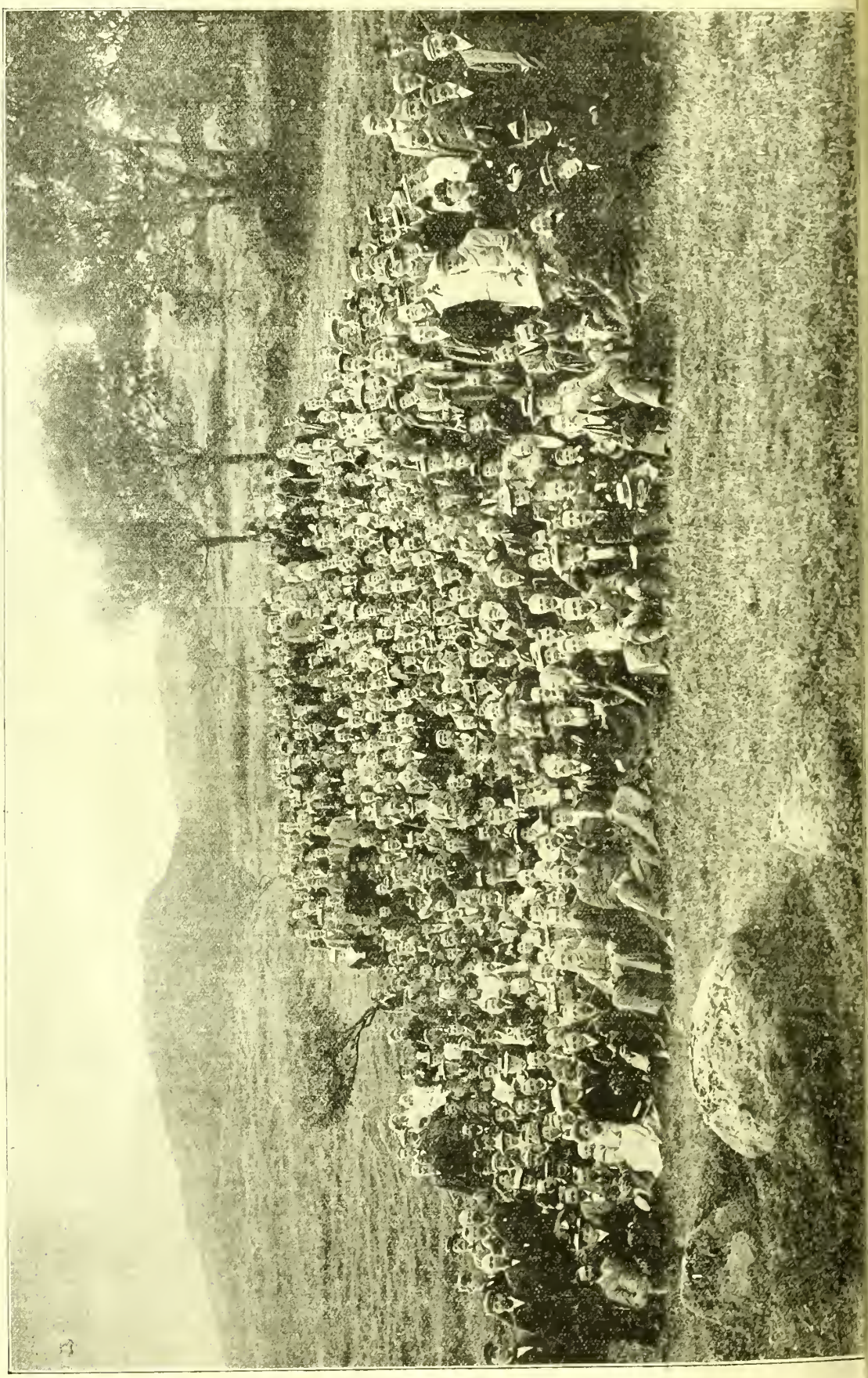

The British Pharmaceutical Conference at Arrochar, August 12, 1897.

From a Photograph by Valentine, Glasgow, Bell & Co., 152 Sauchiehall Street, Glasgow.

Glasgow Conference Echoes.

Ever all the local committee could not repress speechifying at the dinner-table on the way back from Arrochar. Dr. Symes hailed the local committee, and Mr. Stanford made a very witty speech in reference to the ladies, for whom Mrs. McAdam was asked to reply, which she did, but she only rose to call upon Mr. Edward Evans, jun., to reply for her, and he was quite equal to the occasion.

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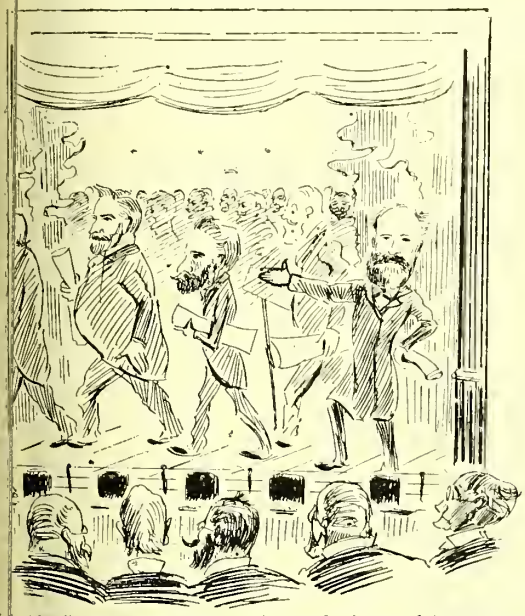
MARCH-PAST OF THE EX-PRESIDENTS.

From a sketch made during the President's address.



"What! will the line stretch out till crack of Doom?"—Macbeth

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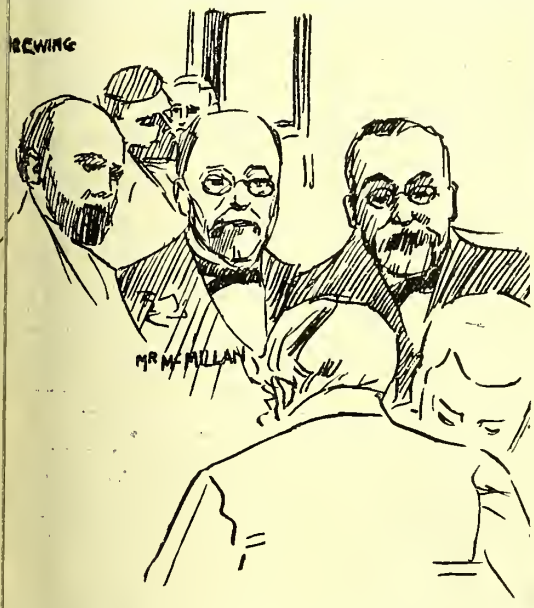
The Ball-room of the Grand Hotel, in which the meetings of the Conference were held, was a miniature stage. The only man who utilised it was Mr. Seyler, the young Swansea analyst. The



caricaturist who drew the march-past is a genius. Amongst those who looked upon the scene and faithfully attended the sessions are the above front-bench group. The gentleman to the right is, I believe, Mr. Thomas Tyrer.

The Photograph taken at Arrochar on the Glorious Twelfth is quite a success, in spite of the fact that a very hot sun beat upon the right of the group, and of the difficulty the men and women in it had to compose themselves. Strange to say, leading lights of the B.P.C. contributed the decomposing element. When

Mr. W. L. Currie was standing beside the photographer, Dr. Attfield called out: "Come in, Currie; we want you to season the whole dish." No operation was necessary in this case, nor in the next, which happened when the photographer called out: "Wait until the cloud rolls by." Then a voice from Salisbury was heard: "Is it a Macleod, photographer?"

* * * *

The Smoking Concert was held in the ball-room on Wednesday evening, and was a huge success. Mr. Walter Hills

whose popularity was one of the notable features of the meeting made an excellent chairman. The concert was so good that I,

was besieged by the ladies. The songs were good, and Professor Remington's funny stories, which were painfully naturalistic in their humour, fetched them. Brief and pleasant speeches were made in the course of the evening by Mr. Kline, of Philadelphia; Mr. Champion, of Durban, Natal; by the Presidents of the Conference and of the Pharmaceutical Society, and others, most of them replying to toasts. Among the singers Mrs. Robertson, a sister of Mr. Currie, won great applause. The party broke up about midnight, but it took some time to come to a conclusion, as "Willie Brewed a Peck of Maut," "Auld Lang Syne," and "God Save the Queen" had all to be religiously put through.

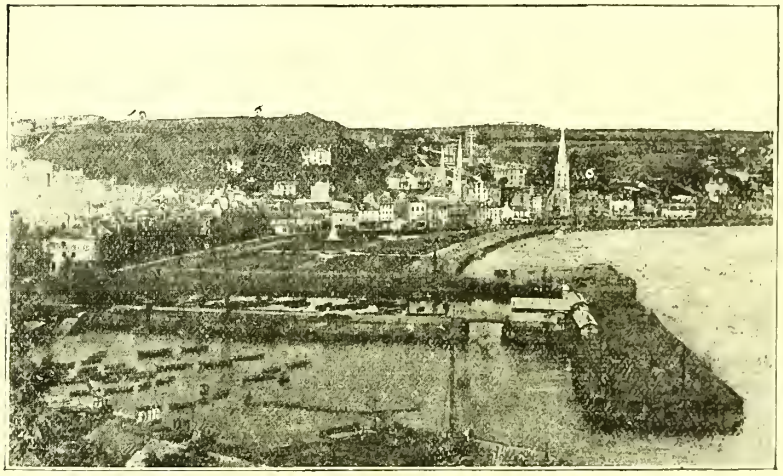
* * * *

The Song of the evening was one written for the occasion by Mr. James Bain, of the Glasgow Apothecaries' Company. It is subjoined:—

QUALIFIED IN PHARMACEE.

Tune: *Ruler of the Queen's Navee.*

When I was a boy I served a term
Of apprenticeship to a chemist firm.
I cleaned the windows, and swept the floor,
And polished up the nameplate on the big front door—
I polished it so carefully,
That now I'm qualified in Pharmacee.
I polished, &c.



Rothesay: passed on the way to Arrochar.

As a message-boy I made such a name,
A junior apprentice I next became.
I rolled out the pills in a style so grand,
And wielded the pestle with a manly hand—
I wielded it in a style so free,
That now I'm qualified in Pharmacee.
I wielded, &c.

As a junior apprentice I acquired such fame,
A senior apprentice I next became.
I wore clean aprons, and a bran new suit
For the Prelim. exam. at the Institute—
The Prelim. exam. did so much for me,
That now I'm qualified in Pharmacee.
That Prelim., &c.

To the "Minor" next I turned my gaze,
And began to wallow in that dreadful maze
Of terms scientific—and much I did perspire—
O'er tables pharmaceutic, as contained in Squire—
They almost drove me into blank insanity
In endeavouring to qualify in Pharmacee.
They almost, &c.

Of botany and chemistry I now began to rave—
Dr. Attfield almost drove me to an early grave.
My knowledge of plants was decidedly "Green,"
Which is meant for a pun, as perhaps you may have seen;
My mental equation was decidedly at sea
In endeavouring to qualify in Pharmacee.
My mental, &c.

In two years' time I did something very rash,
To Bloomsbury Square I forwarded my cash.
From the gentlemen there one morning did arrive
A nice receipted document for five pounds five—
And that was all I got, as far as I could see,
For venturing to qualify in Pharmacee.
And that was, &c.

At three exams. I tried my luck—
The Examiners always gave me the "chuck."
At last the Chairman said, "Young man, I'm glad to
You have loyally supported the Society;
Considering you've paid a sixteen-guinea fee,
We'll allow you to be qualified in Pharmacee."
Considering, &c.

You juniors, then, whoever you may be,
If you want to rise to the top of the tree
Of pharmacy and physics and therapeutic lore,
The Examiners quiz you till your head is quite sore.
Then the Chairman tells you, in a voice so kind and f
"Young man, you've failed to qualify in Pharmacee
Then the Chairman, &c.

He sang it well, we should add. The drawing-room conc held on the same evening.

* * * *

The Man you Know of last week's *Bailie* (whic Glasgow *Punch*) was "Mr. Robert McAdam, Chairman Local Committee of the British Pha eutical Conference," as the excellent of that gentleman in the *Bailie* was The King of Siam was Mr. McAdam' *vis*, but his Majesty was not one of th you know." Mr. McAdam was No. of the series. The *Bailie* indulged in free criticism of the Pharmacy A eternal mistaking of the Conference Society not having come home to the Conscience. Said our friend on that "Whatever its results, it has cause of heartburning. By those who ha unable to pass their examinations, in many cases as well qualified to poisons as more successful students, is very strongly denounced. They ar occasionally by the officers of the I ceutical Society, and a conviction i ally followed by a substantial fine Conscience, half a crown!—Ed. *C. & D* helps to embitter their feelings towa body. Doctors with drug-shops wo be glad to see the Act repealed. C and druggists, of course, hold that should not have shops, and give t sympathy. Medical men at first to believe that the Act struck at well as at chemists and druggists. contended that if they wrote out a tion, and stood by while it was being dispensed by qualified assistant, they could evade the Act, even if intended to include them. They were wrong. The highe in the land has held that the person who hands the arti the counter is the seller, and, therefore, he renders himse to be prosecuted if he be not qualified. The object of the m the *Bailie* says, is to determine what questions in pharma science require investigation, and, when practicable, to all to individuals and committees to report thereon. A list of suggested for research is sent to members early in the y papers prepared by those who have discovered somethin knowing are read at the annual meeting. Many of the m agents now largely in use were discovered as the r deliberations of the Conference, and it is confidently that this year's meeting in Glasgow will be quite as succe that respect as those of former years." Then the *Bailie* to speak about something it knows better, Mr. McAdam whom and the Glasgow Apothecaries' Hall it said all already been told in The Chemist and Druggist.

* * * *

The Official Guide Book, which was to be had for t ing up, devoted 3½ pages (=2 pages of the *C. & D.*) to t Lomond excursion. The guide-book was really an excell It was the sixpenny civic "Guide" which is full of pict the Local Committee got a special cover printed for it, an 10 pages of prefatory matter including Mr. Laing's ode that the natives pronounce "odd" almost in the same way a and that such an original as the Kilmarnock bonneted ph should have written the ode. We don't know who wrot Excursions, but it was done by some one with the knac thing. It is from it that we learn that the scene of W afternoon's excursion—the "Mugdock" Reservoir—has surface of 60 acres, and contains, when full, 500,000,000

pick- Loch idea. but added rious ode," macist p the of the esday water llons,

supply to the city at the rate of 50,000,000 gallons per day, days. The cost was upwards of 50,000*l.*, exclusive of the the land. The water comes there direct from Loch Katrine quires no process of filtration, the water being delivered at sumers' taps as pure as it is in the Loch, where it is as as crystal. There is, however, a straining well at the oirs, for keeping leaves and the like out of the water- Our picture of the reservoir is more than the excur- saw, for when they had got three miles on the road they back owing to the rain.

* * * *

Mr. Daniel Frazer was called upon at his home in Gare- ad by a few old friends, such as the President and Secre- the Pharmaceutical Society, and the members of Council ere on the excursion, Dr. Symes, Mr. Stanford, &c. The gave the excursionists the opportunity for a cheer as the Jack was hoisted on a flagstaff in the proximity of Mr. 's house when the *Glen Sannox* steamed up the loch.

* * * *

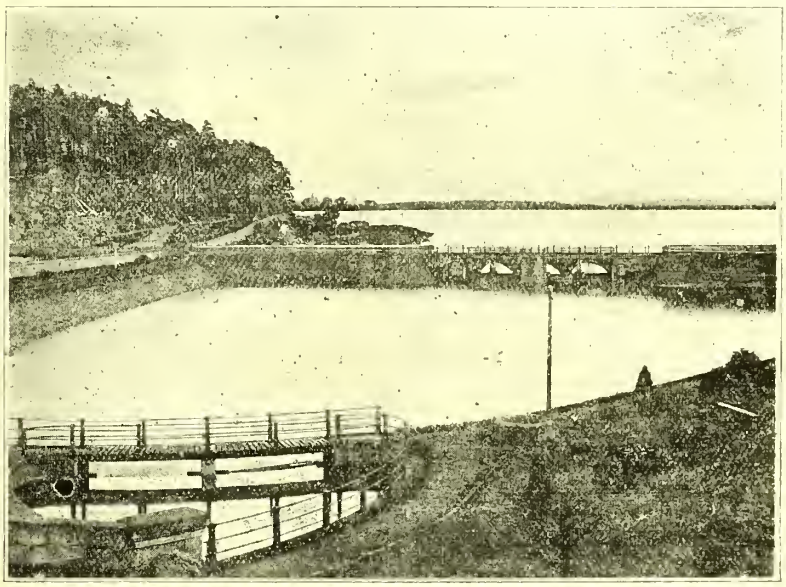
Few visitors remained in Glasgow on Friday. Some of went to see the Sewage-works, where the process followed ewhat similar to the London one, but they use alum-cake d of iron sulphate for precipitating the solid matter, and tter, after precipitation, is dried, and sold as a fertiliser. C.C. chemists consider this an impossibility. Besides this l excursion, a private one was arranged by Mr. E. C. C. Stan- he managing director of the North British Chemical Com- Limited). He took a party over Singer's Sewing-machine Works, where all stages in the manufacture of the machines were inspected as thoroughly as could be in the time; but, as there are 240 stages in the making of a shuttle, and a machine for each of them, it can be understood that the visitors did not carry away many secrets. Next, Thomson's shipbuilding-yard was visited, and an armed cruiser and several gunboats inspected. After this, Clydebank School and the chemical works aforesaid were inspected, and of these more may be said later. Belfast chemists propose to revive visits such as these.

* * * *

A Meeting of the Executive Committee was held at the Grand Hotel, Glasgow, on Monday, August 9, at 6.30 P.M., Dr. C. Symes (President) in the chair. After arranging the business of the Conference, as reported in the *C. & D.* last week, it was unanimously agreed that an invitation be sent to Mr. D. Hooper, F.C.S., now at Calcutta, to act as Honorary Colonial Secretary for Bengal, in place of the late Dr. C. N. Kernot. Thirty-five gentlemen were elected members of the Conference.

* * * *

The Local Committee had the following executive:—Robert McAdam (Chairman), William L. Currie (Vice-Chairman), Thos. Adam, A. Boyd, Robt. Brodie, T. Dunlop, S. Frazer, J. Foster, Wm. Greig, Alex. Laing, H. Lambie, W. T. Law, A. Miller, J. W. Miller, A. McKellar, John McMillan, J. Moir, J. Neil, Geo. Robertson, M. Wallace, D. Watson, John Walker (Treasurer), J. Anderson Russell (Secretary). Those whose portraits were given in the *C. & D.* Summer number were always in evidence, and one and all of the visitors feel that they did their duty well.



Mugdock Reservoir.

Trade-Marks Applied for.

(*From the "Trade Marks Journal," August* 4, 1897.)

y square label or wrapper containing wording: "Vinolia," "Blondeau & Cie., London"; for perfumery (including toilet-articles, preparations for the teeth and hair, and perfumed soap). By Blondeau & Cie., also trading as Vinolia Company, Malden Crescent, London, N.W., manufacturing chemists, perfumers and soap-makers. 203,221.

STULIN"; for a curative film for application to materials used for dressing wounds (in man). By James Wheeler, 100 High Street, Ilfracombe, pharmaceutical chemist. 205,102.

(*From the "Trade Marks Journal," August* 11, 1897.)

cy label, with facsimile of applicant's signature, and other wording; for dog-soap. By the firm trading as A. Garstin & Co., Queen Square, Aldersgate Street, London, E.C., leather goods manufacturers. 202,582. The essential particular is the facsimile of the applicant's signature.

Label, with directions for use, &c.; for a liniment and embrocation for human use. By George Baron, 6 Park Road, Port Sunlight, near Birkenhead, engineer. 202,856.

"MARISANTA"; for a curative salve, being a medicinal preparation for human use. By C. J. Belson, trading as the "Zerolene" Manufacturing Company, 18 Downs Park Road, Hackney, London, manufacturer. 203,031.

"KRYOFINE"; for chemical substances prepared for use in medicine and pharmacy. By the Basle Chemical-works, Bindschedler, Neuhausweg, Basle, Switzerland, manufacturers. 205,050.

Figure of hand holding an assortment of pointed weapons, and wording "A few points"; for chemical substances prepared for use in medicine and pharmacy. By H. D. Brandreth 22 Hamilton Square, Birkenhead, patent-medicine manufacturer and vendor. 205,617.

Representation of fancy label, with wording in French; for a toilet-water. By Paul Pret, trading as Paul Pret & Cie., and also as Parfumerie Lubin, 55 Rue Ste. Anne, Paris, perfumers. 199,675.

CORRESPONDENCE

In writing letters for publication, correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters, with or without a nom-de-plume, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.

Notice to Correspondents.

A P.A.T.A. Black-list Man.

Sir,—Two printer's errors appeared in my letter published in last week's issue of the *C. & D.*—viz., "Scott's pills, 10½*d.*," not "10*d.*," and "P.A.T.A. articles displayed in windows at 'cut' prices," not "cost" price. The letter was hurriedly written, so am not surprised at its puzzling the compositor. Yours truly,

Red Dragon. (194/62.)

["Printer's errors" is a convenient phrase, but as printers have feelings like other people, we print the above as a reminder that careful writing is essential to accuracy.—Ed. *C. & D.*]

Sir,—I regret your correspondent "Red Dragon" has seen fit to conceal his identity. By so doing he prevents my replying to his letter, as I see no reason to depart from my usual practice of declining to discuss P.A.T.A. matters with anonymous correspondents. "Red Dragon" may have good reasons for not disclosing his name, but they are not apparent, unless there is some mistake about his claim to be able to defy the Association with impunity. Clearly his communication loses any weight it otherwise would have had, especially as the statements it contains have to be placed against the signed undertakings of all wholesale houses holding stocks of P.A.T.A. articles that they do not supply them to firms from whom they are asked by our Association to withhold them. No weight can be attached to any anonymous statement which practically accuses honourable firms of breaking their pledges. I am, yours faithfully,

Stonecutter Street, E.C., August 18. W. S. Glyn-Jones.

Bohemian Glass.

Sir,—Respecting the action brought against "Camwal," on August 11, at Clerkenwell County Court, and reported in your issue of August 14, as the evidence of R. J. Andrews might lead anyone to believe that the Bohemian glass used by "Camwal" was inferior to the French, I may state that Bohemian glass is not only the best but the most expensive in the market. There is also an error in the report of Mrs. Mountain's evidence regarding the number of syphons purchased this year. I might state that instead of having purchased 3,000, as mentioned, "Camwal" has purchased over 100,000 syphons this year. Trusting you will find room in your well-read journal to make these facts known,

I am, yours faithfully,

London, August 16. H. T. Butler, Secretary.

Benzoin.

Sir,—I observe that in your last issue I am incorrectly reported in my observations upon Mr. Dunlop's paper on "Benzoin." After referring to the ambiguity of the Pharmacopœia as to the kind of benzoin to be employed in making the tincture, I said that I had finally chosen a good-priced Siam benzoin, containing, as I was surprised to find, 17 per cent. of woody matter. The compound tincture made with this gave 17½ parts of solid residue per 100 volumes when dried at 100°, while Dr. Hill, of Birmingham, found 18 per cent. in the tincture made by him. Very many of the commercial tinctures examined by me fell considerably below this, one sample only containing 10½ parts. Finally, I suggested that the benzoic acid was the ingredient to which the benzoin chiefly owed its activity, and that probably the best means of valuation of the drug would be its assay for this ingredient. I am, yours truly,

Swansea, August 16. Clarence A. Seyler.

Sir,—Kindly note the following corrections in your report of the B.P.C. meeting:—

Page 279, col. 1, line 7 from bottom, for "77" read "77" [which is how it is printed.—Ed. *C. & D.*]

Page 279, col. 2, line 1, for "Christison" read "Pharmacographia."

Page 281, col. 2, line 5, for "matters" read "masses."

Page 281, col. 2, line 7, for "He should ask why they should go into such details as that styrax had a million odour" read "He should ask why they should go into such details as that benzoin had an odour resembling vanilla, or in some cases storax."

Glasgow, August 17. Thomas Dunlop.

Conium Maculatum.

Sir,—In my remarks on Messrs. Farr and Wright's paper I mentioned that the parcel of fruit consisted *wholly* of the fruit of *Anthriscus vulgaris*. The name of the gentleman to whom I showed it was "Roger Kennedy" Lecturer on Botany at what was then known as Anderson's University.

Yours respectfully,

253 Crown Street, Glasgow, August 17. R. Brie.

DISPENSING NOTES.

This section is intended for the elucidation of dispensing difficulties. Subscribers and their employés may contribute to it, criticising any of the following notes or contributing notes on prescriptions which they have found to be of unusual interest.

A Lanoline Cream.

Sir,—What is the best way of preparing the following prescription?—

Resorcin.	gr. 40
Sulph. præcip.	ʒj.
Adip. lanæ hydr.	℥j.
Ol. amygd. dulc.	ʒij.
Spt. saponis	ʒij.
Aq. rosæ	℥ij.

M.

"The Cream." To be rubbed into the affected part night and morning.

Yours,

E. L. (182.)

[If the prescriber will let you use pulv. saponis instead of spt. saponis this can be prepared, otherwise you will not be able to get in more than half the water.]

186/32. *Malvaline.*—(1) See "Art of Dispensing" for methods of making camphor into pills. (2) It is absurd putting permanganate of potash in a mixture with half-a-dozen vegetable ingredients. Could you not communicate with the prescriber?

LEGAL QUERIES.

We do not give legal opinions by post. Information regarding many legal matters in connection with pharmacy will be found in The Chemists' and Druggists' Diary, *and in "Pharmacy and Poison Laws of the United Kingdom," and Alpe's "Handy-book of Medicine-stamp Duty."*

189/18. *Blank.*—If the medicine sold is a simple drug you can label it how you like, claim a proprietary right, recommend it for the relief or cure of diseases, &c., without incurring liability to medicine-stamp duty.

190/95. *Plumbi.*—You are not bound to give your assistant a holiday and pay him wages unless you have agreed to do so. It is a usual practice, however, for chemists to allow their assistants a certain holiday in the year and to pay their salary at the same time.

195/63. *Durham.*—The Pharmacy Act places no limit upon the quantities of poisons which may be sold. That is a matter left to the common sense and experience of the retailer.

1966. *Pata.*—Salt of lemons as usually sold (salt of tartar with 50 per cent. of cream of tartar) is not a scheduled poison.

1937. *Cologne.*—The ferro and ferri cyanides of potassium are not regarded as coming within the poisons schedule.

196. *J. T. E.*—Any medicine sold at 2s. 9*d.*, including duty, requires a 3*d.* stamp only, no matter what the value of the medicine may be.

1915. *C. C.*—The British Minor certificate is not recognised in Switzerland, but stands good for Great Britain and parts of Canada. There is no formality to be gone through, so far as the Pharmaceutical Society is concerned, if an Englishman starts business in Scotland; but in Canada one must have the certificate accepted by the pharmaceutical authority of the province, and pay a fee for registration.

MISCELLANEOUS INQUIRIES.

We reply to our subscribers and their employés only; queries must, therefore, be authenticated by the name and address of the subscriber. When more than one query is sent write each on a separate piece of paper. When a sample accompanies a query full particulars regarding the origin and use of the sample must be given, and the name of the querist should be placed on the sample. Queries not replied to by post.

1894. *Oleum.*—One in thirty is the usual strength for rosed oil. Use as for a **Nursery Hair-oil.** The best mixture for a pint of such a hair-oil is—

Oil of bergamot	♏xx.
Oil of eucalyptus	♏xv.
Oil of citronella	♏vj.

1889. *Waster* (Pernambuco).—The following modified **Dentifrice** will meet your views probably:—

Salol	1½ dr.
Saccharin	4 gr.
Oil of peppermint	45 drops
Oil of fennel	5 drops
Oil of aniseed	10 drops
Oil of cloves	10 drops
Oil of cinnamon	15 drops
Rectified spirit	8 oz.

Mix. Colour with cochineal or magenta.

189. *Rex Mesorum.*—For **Chronic Rheumatism**, with swelling of feet, try—

Pot. iodidi	ʒj.
Vin. colchici	ʒj.
Liq. ammon. acet. fort.	ʒiv.
Inf. gentian. co. ad	℥vj.

Sig. ʒss. ter in die.

Along with any of the natural saline waters, to be taken early every morning, or a teaspoonful of Rochelle salts in tepid water may be given instead. Let the feet be well bathed with hot sea-salt, and this liniment rubbed in with gentle friction night and morning:—

Ext. belladonnæ	ʒj.
Pulv. opii	ʒj.
Lin. camphoræ	℥vj.

Mix, and macerate for a week in a warm place, and strain. Avoidance of malt-liquors and much animal food.

1820. *Omen.*—**Garfield's Tea.**—See page 781, May 15, 1897. A reference to recent index would have saved you trouble, and by running through those during the past few years you will find other references.

1859. *B. P. Co.*—**Tasteless Bird-pepper.**—Your sample seems to be an artificial product containing, amongst other things, salt and colouring-matter (oxide of iron, aniline, and possibly annatto-seeds), along with exhausted capsicum. There is a variety of capsicum with very little pungency, and we understand a parcel of such light-coloured pods was exported in London a short time since, which, ground and suitably coloured, would exactly suit your sample. As it is a question of ton quantities, perhaps some of our subscribers in the know may consider it worth the trouble to supply information as to its market value and where obtainable.

184/15. *O. T. B.*—To **Exterminate Cockroaches** a mixture of calomel or borax with sugar and pea-flour has been recommended. Have you tried the mixture of insect-powder and hellebore given in issue of July 24, page 136? Sulphur vivum, quicklime, or a strong carbolic powder are all useful.

183/45. *Radix.*—**Nocturnal Incontinence of Urine.**—Try

Tr. cantharidis	♏j.
Tr. ferri perchlor.	♏iij.
Liq. strychninæ	♏ss.
Aq. camph. ad	℥vj.

Sig.: ♏ss. ter in die ex aqua.

Recommend sitz-bath every morning and outdoor exercise. It is a sign of weakness, and often troublesome to cure. This is of course for an adult; for a child the dose must be proportionate, and regular habit on going to bed essential.

189/54. *Thyroid.*—**Household Ammonia.**—See *C. & D.*, June 26, 1897, page 1013.

189/7. *L.P.S.I.*—(1) **Green Carboy Colour.**—One pound of sulphate of nickel to 6 gallons of distilled water gives a pretty green. (2) **Red Carboy Colour:**—

Tr. iodi	ʒj.
Ac. hydrochlor.	♏iv.
Aquæ ad	Cong. vj.

190/44. *Pratt.*—**Charges for Doctors' Dispensing.**—The usual charge is at the rate of 6*d.* for a 6-oz. mixture; but we have known 4*s.* a dozen charged. Under the circumstances you mention, your better plan will be to give in a provisional price, and say that if on trial you find you can lower the charges you will do so. By working out the cost of drugs and bottles of three or six dozen mixtures you would get a fair idea of what it cost you, and charge accordingly.

196/16. *Potens.*—**Emp. Bellad. Liq.**—See *C. & D.* DIARY, page 267.

195/56. *Nauheim.*—The effervescing ingredients for the **Schott Treatment** are the subject of letters-patent. Mr. Buchner, Houndsditch, E.C., is agent for the materials.

188/62. *F. D.* (Budapest).—Please explain what you mean by "filling-powder."

194/33. *W. H. B.*—We do not undertake analysis which is exclusively of personal interest, nor do we charge for what we do.

183/5. *J. M. D. S.* (Bombay).—(1) We take it that ammoniated vinegar refers to the product of the neutralisation of distilled French vinegar with carbonate of ammonia, as formerly directed in the Edinburgh Pharmacopœia, and now replaced by liq. ammon. acet. Still we think your friend was in error, as hoang-nan is the bark of *Strychnos malaccensis*, and is used for the purposes you mention. A vinegar of it made with a menstruum consisting of acetic acid 1 part, rectified spirit 1 part, and water 3 parts is a good preparation. The best way to make it into pills is to mass with extract of liquorice. (2) Ten centigrammes is practically 1½ gr.

189/49. *Beta.*—**An All-round Cough-mixture,** for autumn and winter cough:—

Ammon. carb.	ʒj.
Tr. scillæ	♏ij.
Aq. chlorof. ad	℥vj.

M.

℥ss. nocte manaque.

If a speciality, add ℥ss. syr. violæ, which will give a green one. See index, June 26, page viii., for others. **Spiced Vinegar**—See page 324, August 19, 1893, along with page 872, June 24, 1893. Consult indices for various other

formula: **Finman's Cramp-mixture**, for pains in the bowels, &c. Give Indian brandy, or

Spt. camph.
Spt. æther. nit.
Spt. ammon. arom.
Tr. lavand. co. ... ... aa. pt. eq.

Dose: Half to one teaspoonful in water or any other suitable fluid.

185/62. *A. P. S.* **Naval Hospital Dispensorships.**—See the last Educational number. Minor men are now eligible to hold any appointment in the Service.

194/68. *Hypo.*—(1) **Burnett's Disinfecting-fluid.**—The patent has long since expired. Your formula is much too weak. The sp. gr. of the liquid should be 2 000. (2) The statement is absurd. We shall deal with it later. (3) The name could not be registered as a trade-mark. Read the article in the DIARY.

186/16 *Newbury.* **Metal-polish** as sample:

	Parts
Crocus mineral	1
Turpentine	2
Mineral oil	6

Mix and add a trace of citronella oil.

189/66. *Yorkshire.*—**Meat-preservative** used by painting over the meat consists of the usual solution of bisulphite of lime coloured with cudbear.

191/68. *Viking.* **Blaud's Capsules.**—It is quite correct to label capsules containing ferrous carbonate with sugar as "Blaud's." The original formula for the pills orders honey, so as to retard oxidation, while the B.P. orders sugar.

189/57. *No.* 75. **Cheap Hair-wash** suitable for hairdressers' use:—

Liq. ammon. fort.	℥ij.
Aq. lavand.	℥j.
Glycerini	℥j.
Aq. ad...	℥x.

M.

This makes a nice clean application, but should an oily one be preferred substitute ol. sesame for the glycerine. The aq. odorat. may mean aq. mellis or any perfumed water, according to price and taste.

182/19. *Rhei* has been using a **Fly and Maggot Lotion** for sheep, but does not find it good on account of the action of the corrosive sublimate upon the wool. It is by far too strong, and if reduced to ʒj. instead of ʒss. in the Oiss. would be better. This, however, gives a cheaper and more reliable lotion:

White arsenic	½ oz.
Crude carbolic acid or spirit of tar	4 oz.
Washing soda	2 oz.
Boiling water to	2 gals.

Mix and use in the usual way, after a good dip in soft soap and water and while the fleece is still moist.

INFORMATION WANTED.

The Editor will be obliged for replies to the following from any who can furnish the information.

183/25. Soap regal: address of manufacturer.

193/33. Manufacturer of Bloomless mineral oil.

193/4. Maker of moulds and dies for soap manufacture.

196/31. Who makes Jamieson's electrical remedies now?

196/50. Enamelled tins for saline: where obtainable?

183/49. Address of proprietors "Morris's Imperial Eye-ointment."

192/69. Makers of White's mint, rose, and winter-green tooth-soap.

195/71. Who are the best manufacturers of metal collapsible-tubes?

192/62. "American Dentifrice," made by American Dentist Company, late of 152 Strand, W.C.: where obtainable

Wills of Deceased Chemists

The will of Mr. Charles Francis Hoare, chemist and druggist, of Derby, who died on May 21 last year, has been proved by Mrs. Hoare, the widow and sole executrix. The personalty is sworn at 450*l.* 2*s.* 5*d.*

The will and codicil of Mr. Charles Henry Southall, pharmaceutical chemist, Boston, who died on February 8, are proved by Mr. Joseph Cooke and Mr. George Howlett both of Boston, by whom the personalty is sworn at 165*l.* 1*s.* 3*d.*

The will of Mr. Thomas Terry, pharmaceutical chemist, Withington, Lancashire, who died on April 30, 189 has been proved by Mr. Alfred H. Terry and Mr. Frederick H. Terry, the sons. The personalty is sworn at 4,227*l.* 6*d.* gross and 3,936*l.* 4*s.* 3*d.* net.

The will of Mr. S. C. Betty, pharmaceutical chemist of Bowood, near Bideford, and Gordon Villa, Bognor, who died on December 12, 1896, is proved by Mrs. Betty, the widow of the testator, whose personalty is sworn at 3,164*l.* 1*s.* 2*d.* gross and 2,935*l.* 12*s.* 10*d.* net.

The will of Mr. Alfred Cupitt, chemist and druggist, Chesterfield, who died on March 6, is proved by Mr. . D. Cupitt, of Liverpool, and Mr. A. H. Cupitt, of Brighton, the nephews of the testator, whose personalty is sworn at 1,380*l.* 7*s.* 1*d.* gross and 1,274*l.* 11*s.* net.

The will of Mr. T. B. Marsden, pharmaceutical chemist, Withington, Lancs, who died on September 6, 1896, is proved by Mr. W. J. Marsden, Gainsborough, the brother and Mr. L. F. Robinson, the executors of the testator, whose gross personalty is sworn at 1,924*l.* 1*s.* 4*d.*

The will of Mr. R. H. Swingburn, J.P., chemist and druggist, South Molton, who died on February 27 last year, is proved in London by Mr. John Quick and Mr. John A. Kingdon, both of South Molton. The personalty is sworn at 1,095*l.* 7*s.* 2*d.* gross and 983*l.* 15*s.* 1*d.* net.

The will of Mr. Henry Priestley, chemist and druggist (retired), 229 Western Bank, Sheffield, who died on August 28, 1896, has been proved by Rev. W. Priestley and Mr. Thos. Priestley, the sons, by whom the personalty is sworn at 3,176*l.* 17*s.* 5*d.* gross and 3,126*l.* 17*s.* 2*d.* net.

The will of Mr. Henry Downie, wholesale druggist, Collingwood House, Tynemouth, who died on February 9 last, has been proved by the Rev. F. F. R. Downie and Mr. C. W. Downie, the sons, by whom the personalty is sworn at 3,789*l.* 19*s.* 6*d.* gross and 1,913*l.* 18*s.* 1*d.* net.

The will of Mr. Benjamin Medcalf, chemist and druggist, Ware, who died on May 18, 1896, is proved in London by Mrs. E. A. Medcalf, the widow, and Mr. E. S. Medcalf, surgeon, of Hove, Sussex, the son. The personalty is sworn at 602*l.* 8*s.* 10*d.* gross and 510*l.* 2*s.* 2*d.* net.

Mr. James Cardwell, chemist and druggist, Deputy-mayor of Wakefield, having died on May 20, 1897, intestate, letters of administration to his estate have been granted to his widow, Mrs. Eliza Cardwell. The deceased's personalty is sworn at 583*l.* 19*s.* 7*d.* gross and 424*l.* 16*s.* 2*d.* net.

The will of Mr. John Clark, 74 Ashland Road, Sheffield, chemist and druggist, who died on September 1, 18 3, is proved by Mrs. Susannah Clark, the widow, Mr. John Akin, and Mr. Edward Cotterill, the executors. The personalty is sworn at 1,776*l.* 17*s.* 5*d.* gross and 1,340*l.* 12*s.* net.

The will of Mr. Thomas Beesley, chemist and druggist, Banbury, who died on May 15, 1896, has been proved by Mrs. Sarah Beesley, the widow, Mr. Chas. Fortescue and Mr. E. Muscott, both of Banbury, the executors. The personalty is sworn at 5,956*l.* 4*s.* 11*d.* gross and 5,895*l.* 15*s.* 1*d.* net.

The will of Mr. James Lever, of Port Sunlight Soap Works and Thornton Hough, Cheshire, who died on May 3, is proved by Mr. Wm. H. Lever and Miss Emily Lever, the son and daughter, and Mr. John L. Ferguson, the executor. The personalty amounts to 57,846*l.* 13*s.* 6*d.*

20 HIGHEST AWARDS.

Pears' Soap

Soap Makers by Appointment to

H.R.H. The Prince of Wales.

		Per Dozen.
6d.	SIZE, unscented - - -	4s.
1s.	„ all shapes, Washing or Shaving	8s.
1s. 6d.	„ Ditto ditto	12s.
2s. 6d.	„ (The Washing Tablets are perfumed with Otto of Roses)	20s.
TRANSPARENT GLYCERINE	2s. per Box of 3 Tablets	16s. Per dozen Boxes.

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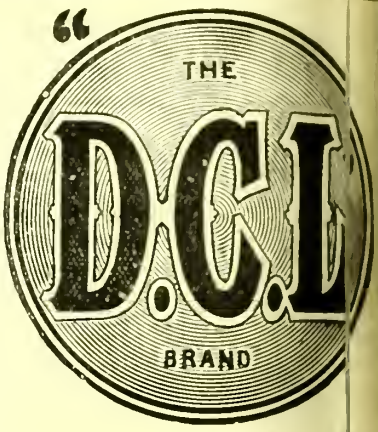

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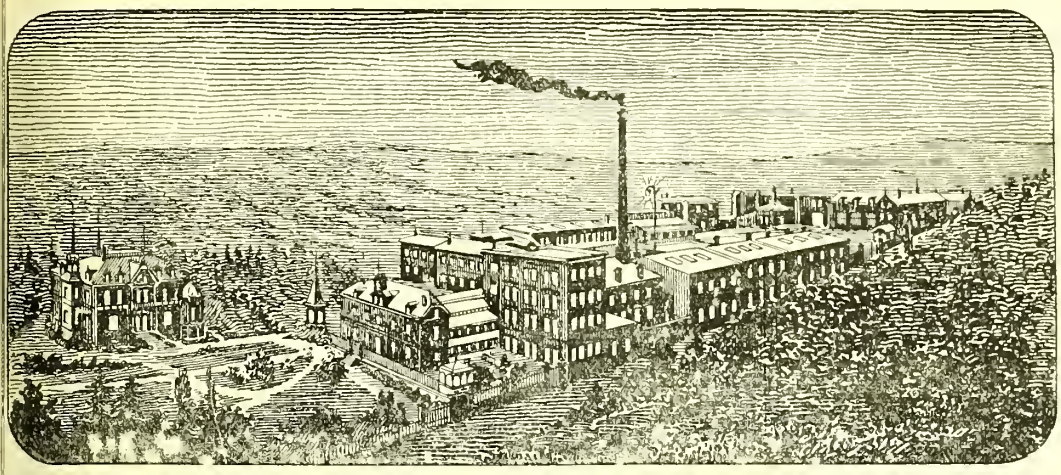

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PRICE LIST.

Dieterich's Ferro-mangan Preparations—

Liquor ferro-mangani saccharati (Dieterich)	8-oz. bottle (retail, 2/3); per doz., 20/-.
Liquor ferro-mangani peptonati (Dieterich)	16-oz. bottle (retail, 4/-); per doz., 34/6.
Liquor ferro-mangani peptonati cum iode (Dieterich)	Can be had unstamped for dispensing.

The ferro-mangan saccharate and ferro-mangan peptonate are unrivalled in their efficacy in all cases of anæmia and chlorosis, and are of very pleasant taste. They do not affect the teeth, and are never refused by patients even if taken for a long time.

The ferro-mangan peptonate with iodine was found to be an excellent substitute for cod-liver oil, especially in summer time, when the use of cod-liver oil is generally discontinued.

Dieterich's Umbilical Rubber Bandage—

Diameter, 70 mm. (retail, 7½*d*.); per doz., 3/10; per gross, 43/6.
Diameter, 90 mm. (retail, 10*d*.); per doz., 5/6; per gross, 63/-.

The umbilical bandage is a very saleable article, and of proved utility; as the price is trifling compared with the bandages now on the market, a trial surely will pay.

Dieterich's Cod-liver Oil Compounds—

Cod-liver oil with: bromine and sulphur, iron and bromine, iron and iodine, iron-manganese and quinine, iron-manganese and bromine, iron-manganese and iodine, iodine and sulphur, iodine and tannic acid, quinine	Retail, 2/-. Per doz., 16/6.
Cod-liver oil with: iron, iron-manganese, iron-manganese and phosphorus, phosphorus	Retail, 1/9. Per doz., 15/-.

Dieterich's cod-liver oil compounds are the best preparations as to taste and efficacy known to the profession.

Dieterich's Tapeworm Cure—

For adults	Retail, 2/6; per doz., 18/6.
For children	Retail, 2/-; per doz., 13/-.

Unrivalled efficacy in expelling tapeworms is due to the employment of extract of male fern of superior quality in combination with castor oil. Given in that manner a relatively small quantity of the extract is sufficient, and all disagreeable after-effects caused by large doses of the extract are avoided.

Dieterich's Extract of Malted Acorns—

Retail, 1/9; per doz., 12/-.

Found very useful in rickets of children, and for persons suffering from malnutrition.

Dieterich's Court-plaster—

Please compare Prices.

Spread on silk; width, about 20 inches:
White, flesh-coloured or black, flesh-coloured arnicated or flesh-coloured salicylated .. } Rolls of 1 yard, 4/-; 5 yards, 19/-.

In attractive envelopes containing one leaf of plaster:
Flesh-coloured, white or black, size 35 by 60 mm. (1*d*. retail), 2/10 per 100; 12/9 per 500.
Ditto, size 60 by 70 mm. (2*d*. retail), 5/- per 100; 24/- per 500.

In stylish fancy pocket-cases, containing one leaf of plaster:
Flesh-coloured, white or black, size 35 by 60 mm. (1*d*. retail), 3/- per 100; 14/- per 500.
Ditto, size 60 by 70 mm. (2*d*. retail), 5/6 per 100; 25/6 per 500.

Customers' name and address will be printed on every envelope or pocket-case at a charge of 1/- per hundred. On buying 500 at the time, of one size, this will be done gratis.

Dieterich's Mustard-plaster—

	Leaves 50	100	500
Cardboard boxes containing:			
100 leaves each	—	2/3	9/9
50 leaves each	1/5	—	10/6
Lithographed tin boxes containing:			
100 leaves each	—	2/10	12/3
10 leaves each	2/3	—	19/9

Comparing analysis proved that Dieterich's mustard-plaster is the strongest on the market, as no other forms so much mustard-oil when dipped in water as Dieterich's.

Dieterich's Glue-bandages (Colligamen)—

	Per 1 doz. rolls of 1	2	5 yds.
Glue-bandage, with acetate of lead 5 %, or acetate of alum, 5 %; boric acid 3 %, or Hebra ointment 10 %; sublimate 0·1 %, or salicylic acid 3 %; sulphur 10 %, or oxide of zinc 25 %; zinc and salicylic acid 25 %: 5 %, or plain	3/3	6/2	15/5
Glue-bandage, with ichthyol 5 %, or iodoform 5 %; loretin 5 %, or zinc and ichthyol 25 %: 4 % ..	5/-	9/5	23/5
Glue-bandage, with iodide of potassium	4/-	7/9	19/-
Glue-bandage, with mercury 20 %, mercury and soap plaster (20 % Hg.)	6/5	12/3	30/9

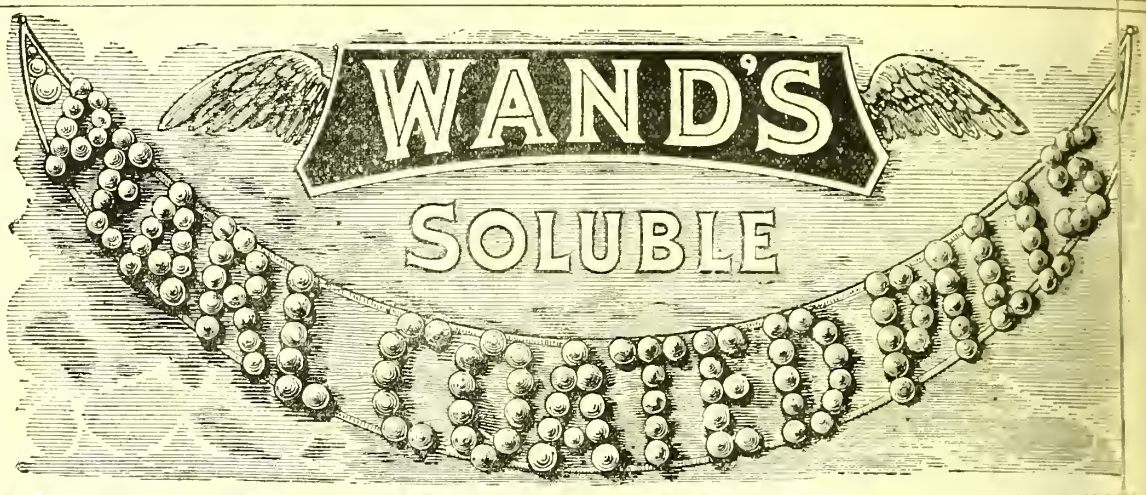
Dieterich's Soap Glue Bandages—

Soap glue bandage, with carbolic acid 5 %, or plain	2/7	4/9	11/10
Soap glue bandage, with ichthyol 5 %, or iodide of potash 2 %	3/3	6/2	15/5
Soap glue bandage, with loretin	5/-	9/5	23/5
Soap glue bandage, with sulphur 10 %, or tar 10 %; sulphur and tar 5 % of each	2/7	4/9	11/10

Samples and testimonials may be had free of charge on application to the Sole Agent for the United Kingdom—

M. BUCHNER (H. LEINS, Ph.D., Succ.), English & Foreign Chemist, 149 Houndsditch, **LONDON, E.C.**

Sole Agents for Export—**CHARLES YARROW & CO., 36 BASINGHALL ST., LONDON, E.C.**



HIGHEST QUALITY. LOWEST PRICE. BEST FINISH. FULL STRENGTH.

ALL PILLS SWEETENED IF DESIRED.

SOLUBLE PEARL-COATED POPULAR PILLS

No.	FORMULA.	10 gross.	50 gross.
533.	Pil. Aper. c. vel sine Calomel	3½d. ...	3d.
43.	„ Chamomile	4½d. ...	4d.
997.	„ Dandelion	3½d. ...	3d.
204.	„ Quin. Sulph., gr. j.	7d. ...	6d.
205.	„ Quin. Sulph., gr. ij.	1s. ...	10d.
A.	„ Digestive	4½d. ...	4d.
217.	„ Rhei et Ricini	3½d. ...	3d.
2.	„ Aloes et Asafœt.	3½d. ...	3d.
3.	„ „ Ferri	3½d. ...	3d.
1150.	„ „ „ c. Pulegi	3½d. ...	3d.
6.	„ Asafœt. Co....	3½d. ...	3d.
9.	„ Coloc. et Hyoscy.	10d. ...	9d.
8.	„ Coloc. Co.	10d. ...	9d.
109.	„ Ferri (Blaud) (2½d. on 100 gross lots)	3½d. ...	3d.
13.	„ Hydrarg.	3½d. ...	3d.
127.	„ Hyd. c. Rhei	4½d. ...	4d.
14.	„ Hyd. Subchlor. Co	3½d. ...	3d.
15.	„ Ipecac. c. Scillæ	3½d. ...	3d.
17.	„ Rhei Co	3½d. ...	3d.
19.	„ Scillæ Co.	3½d. ...	3d.

LITTLE PILL SERIES.

B.	Little Liver Pill	4d. ...	3d.
412	Little Cough Pill	4d. ...	3d.
400	Little Antibilious Pills	4d. ...	3d.

Private Formulæ quoted for. Our stock covers 1,300 varieties. Special quotes for 500 or 1,000 gross lots.

Special close Prices to Large Buyers. Orders of £5 and upwards from Abroad are sent Carriage Pai

A GOOD SELLING LINE.

1 Gross in Metal-capped Bottle, per doz. Bottles, carriage paid **3/6**

½ Gross Lots at rate of ... ... per doz., carriage paid ... **3/-**

PINK OR WHITE PEARL-COATED.

Neat and telling Label in Blue.
This makes a good Counter Display.

N.B.—All prices quoted are net prompt

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We are special for Glycerine Suppositories, neatly put up, 1 dozen in box, adults or children, 7/-, 3/6 per dozen boxes.

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BONUS

During the month of August, 1897, we give a Bonus of

SIX DOZEN ONE SHILLING TABLETS

FELS'S

Germicide Soap

With every Retail Chemist's order for not less than ***£10*** worth of our Specialities.

This offer applies to orders received up to August 31, and may be for delivery in September.

LORIMER & CO.

Wholesale Druggists,

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PRICE LISTS ON APPLICATION.

39

HUBBUCK'S PURE OXIDE OF ZINC

Sold by the following Wholesale Druggists, in Boxes of 7 *lbs. and* 14 *lbs., stamped by the Manufacturers; also in* 1-*lb. Boxes and* 1-*lb. Glass Bottles:—*

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Muth Brothers & Co., Baltimore.
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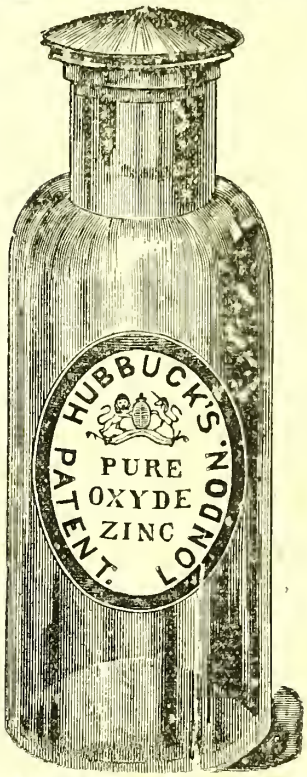

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of Pure Oxide; in fact, the impurities not traceable.

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Manufacturers of

White Lead, White Zin, Paints, Oils, Colours, Varnishes, &c

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The Manufacturers supply their Pure Ox Wholesale only, in quantities of not l than 2 cwt.

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METHYLENE.

Obtained by the action of Metallic Zinc on Chloroform and Alcohol.

Discovered to be a general Anæsthetic by Sir Benjamin W. Richardson in 1867.

1-lb. Stoppered Bottle, 12s.; ½-lb., 6s. 6d.; 4-oz., 3s. 6d.; 2-oz., 2s.

COMPOUND ANÆSTHETIC ETHER,

For producing Local Anæsthesia.

In 4-oz., 10-oz., and 20-oz. Stoppered Bottles, 2s., 4s., and 7s.

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In 2-oz., 4-oz., 8-oz., and 16-oz. Stoppered Bottles, 2s., 3s. 6d., 7s., and 12s.

PEROXIDE OF HYDROGEN,

First introduced as a Medicine by Sir Benjamin W. Richardson

ETHYLATE OF SODIUM

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In ½-oz. and 1-oz. Bottles, with elongated Stoppers for applying the Caustic, 2s. 6d. & 4s.

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For promoting the Healing of Wounds by the first intention.

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CHARCOAL CAPSULES,

Containing Pure Vegetable Ivory Charcoal.

In Boxes, 2s. 6d. each.

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Original Make.

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IN PACKETS AND BULK.

The CHEAPEST HOUSE in the COUNTRY

1d. Packets. PER **5/6** GROSS. In 1 or 3 doz. Paper Parcels.

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Only the Finest Quality of Herbs are Packed; 90% of the Packets contain 1 oz.; on each Packet full directions for Preparing Dose for Children and Adults, Medicinal Properties, Botanical Name, Synonyms and a useful Recipe are given.

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but we will put Customer's Name, Address, and other Advertising Matter on the back of the Packets (which is left blank for this purpose) on First Orders of 5 Gross Lots, and Following Orders of not less than 2 gross.

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HERBS IN BULK AT EXCEPTIONALLY LOW PRICES.

Write for NEW PRICE LIST. NOW READY.

Foreign Indents should be marked distinctly BROOK, PARKER & CO.

Carriage Paid anywhere in Great Britain on Orders of £2 and upwards.

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Tinctures.
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All of ENGLISH MANUFACTURE, and guaranteed B.P. strength.

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PHOSPHORIC ACIDS & HYPOPHOSPHITES,

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CHEMICAL FOOD AND HYPOPHOSPHOROUS ACID,

Hydrogen Peroxide and Pure Acids, Bismuth, Mercurial and Iron Salts, Granular and Scale Preparations, Ethers, Essences, Spirits (in Bond).

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SOMATOSE. An important nutrient and invigorant, especially for Convalescents, Invalids, Phthisis, Chlo., Carcinoma ventriculi Rachitis.
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SALOPHEN. A Specific for Headache, Influenza, Acute Muscular Rheumatism.
TANNIGEN. Acting promptly in Chronic and Acute Enteritis, especially for Children.
LYCETOL (Tartrate of Piperazine). Antilithic, Uric Solvent.
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SULPHATE OF QUININE, and all other CINCHONA PREPARATIONS

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TO THE MEDICAL PROFESSION AND CHEMISTS.

Owing to misapprehensions as to the amount of morphine used in the preparation of

Mrs. WINSLOW'S SOOTHING SYRUP,

we wish to state that the amount is one-eighth (1/8) of one grain to a fluid ounce. As there are eight teaspoonfuls to an ounce, the amount of morphine in a teaspoonful, our maximum dose, is one sixty-fourth (1/64) of a grain.

It will be seen that this is very much less than the quantity used in other preparations authorised by the Pharmacopœia.

The Anglo-American Drug Company (Lim.),
W. RENAUD, Managing Director.
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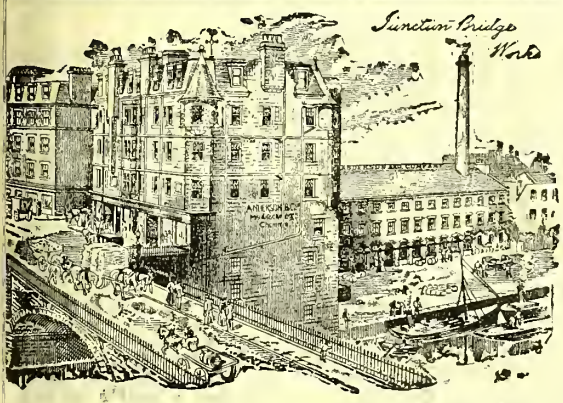
Of late a spurious article has been offered for sale, put up in imitation of the genuine one even to copying the Pamphlet, Wrapper, and Labels. To protect the public from, and facilitate proceedings against, such frauds, the Proprietor has registered the Trade Mark here shown, a reduced copy of which will be found on the outside label on every bottle put up after this date. As a further security, the name "DR. BOW'S LINIMENT" (also a Trade Mark) appears in the Government Stamp.

BARCLAY & SONS, LIMITED, LONDON
RAIMES, CLARK & CO., EDINBURGH & YORK

For the Proprietor,
December 1st, 1891.



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ITS COMBINATIONS.

GUARANTEED ABSOLUTELY PURE AND OF HIGH DIASTASIC VALUE.

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ANDERSON & CO., Wholesale Manufacturing Chemists,
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A GOOD PILL and GOOD PROFIT

1/1½ size	Wholesale Price,	10/-	per dozen.
,, ,,	Minimum Retail Price,	1/-	,, box.
2/9 ,,	Wholesale Price,	24/-	,, dozen.
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The proprietors will be obliged if Chemists will report all cases of Cutting to

THE SECRETARY, PROPRIETARY ARTICLES TRADE ASSOCIATION

2 and 3 STONECUTTER STREET, E.C.,

who will see that the Cutting is stopped or supplies withheld.

Messrs. LAMBERT & CO. will be pleased to supply Handbills, with Nam and Address, CARRIAGE PAID, on receipt of Business Card direct t 173 Seymour Place. London W.

CHEMICAL DISINFECTANT.

5, 10, and 15 % CARBOLIC Antiseptic and Deodorising Powder.
Bags and Casks free.

AGENTS WANTED
to supply Corporations and large users.

SOLUBLE
SANITARY FLUID
In Casks, and in 2, 1, and ½ gallon Tins.

CHESHIRE BIRD LIME.

In 1d., 2d., 3d., and 6d. Tins. Also in 1, 2, 3, and 7 lb. Tins & Casks, for large consumers and the trade.

ENGLISH & FOREIGN
BIRD LIMES
FOR
Fly Paper Makers.

Special Terms in Wholesale quantities.

"COAGULINE"
(Trade Mark).
Transparent Cement for Broken Articles.

CUE CEMENT.
CUE-TIP FIXERS
(Brass or Wood).
TIPS, WAFERS, CHALKS.

A NEW WHITE CEMENT
Inorganic and almost Hydraulic.

Trade Mark.
FOR STONE, PORCELAIN, POTTERY, & ALL VITREOUS SUBSTANCES.
Requires no preparation.
Easy and clean in application.

Prices, Circulars with Name and Address, Specimens, Show Cards, Glass Tablets, &c., &c., on application.

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THE SAFEST AND BEST PREPARATION OF OPIUM.

PRODUCES NEITHER HEADACHE, SICKNESS, NOR CONSTIPATION.

PREPARED EXCLUSIVELY FROM OPIUM.

Although many new hypnotics and analgesics have been recently introduced, NEPENTHE still holds its position as the hypnotic and sedative par excellence. "Nepenthe" is registered under the Trade Marks Act, and is our sole property. *No other preparation* should be substituted when Nepenthe is ordered in a prescription.

Sent out in bottles bearing a label in white letters upon a green ground. We prepare also *Double Strength Nepenthe*, and Glycerole of Nepenthe (eight times the single strength) for hypodermic injection.

PRICES AND TERMS ON APPLICATION.

FERRIS & CO., WHOLESALE AND EXPORT DRUGGISTS, **BRISTOL.**

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Telegrams—"PHARSALIA." Telephone No. 2759 (Gerrard).

JOHN SANGER & SONS

DEALERS IN

Proprietary Medicines, Druggists' Sundries, Perfumery, Mineral Waters, Lozenges, Surgical Instruments, Photographic Apparatus and Sundries, &c., &c.,

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(CAPELLIFORMES.)

Plain White, per 1,000	3s. 3d.
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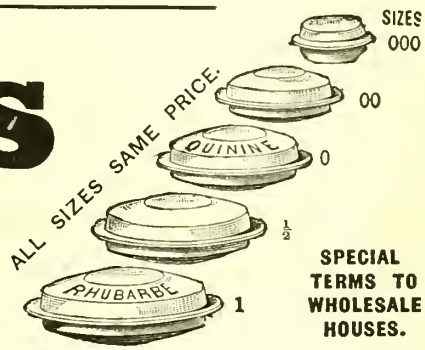
Customer's Name and Address printed free on orders of 5,000 assorted, or 6d. per 1,000 extra on orders for 1,000 of a size. Name of Customer embossed free, but cost of die according to wording charged for from 2s. 6d. each size.



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Guaranteed Pure. Very Finest **1897** *Lofoden Non-freezing.*

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Manufacturers of Granular Effervescent Preparations. We shall be glad to give specially favourable quotations, and send samples of our superior Nos. 1, 2, and 3 qualities of CITRATE OF MAGNESIA.

Importers of Cod-liver, Castor, and Olive Oils; Extra Super Essence of Lemon and Bergamot, Otto de Rose, and all Essential Oils; Valentia Saffron; Vanillas; Fruit Essences; Carmine, Aniline Dyes; Bees' Wax, &c., &c.

TRADE-MARK REGISTERED

MANUFACTURERS of Very Superior Flexible Gelatine Capsules of Balsam Copaiba, Cascara Sagrada, Castor Oil, Cod-liver Oil, Santal Oil, and Blaud's Pill Capsules, equal to 1, 2, and 3 pills. Samples and Lowest Quotations per 1,000, or in Boxes for Retail, will be sent on application from either the Wholesale or Retail Trade.

The Hon. Surgeon to his Excellency the Viceroy of India prescribes "CLARKE'S BLOOD MIXTURE" largely, and speaks highly of its efficacy in skin affections, &c.—A. JOHN & CO., Chemists, &c. Agra, India.

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CAUTION.—Immediate proceedings will be taken against all persons pirating the Trade Mark, "Blood Mixture" (Registered No. 3,275), Labels Wrappers, Bills, or Advertisements, or in any way infringing the rights of the Sole Proprietors,

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6/- *Per Box of—* 40 3d. Pkts., and 40 Free Samples.

SEN-SEN is now stocked by all the leading Wholesale Houses in the United Kingdom.

If you experience any difficulty in obtaining a supply, communicate with us.

Put up in neat Gold and Coloured Envelopes, like the engraving, and it SELLS AT SIGHT.

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They stand alone in their might.

The "GIANT" Remedy,

BOX'S PILLS

Re-christened by the Americans

"THE GREAT ENGLISH REMEDY,"

Grapple with and triumph over disease with perfect ease.

Price 1/1½, 2/9, 4/6, 11/-, and £1 1s. per box.

Prepared by

W. H. BOX, 161 KING ST., PLYMOUTH.

46

SUMMER CURES!!

SOME ARE NOT CURES!

TIC, NEURALGIA, SPLITTING HEADACHE, Are awful in the Hot Weather, but

"KURE-YU"

CURES YOU IN FIVE MINUTES!

You should sell "KURE-YU." See the Bonuses for doing so. Besides, the Public knows a good thing when it gets it, and gets a good thing when it knows it.

A BONUS MOVING MODEL FREE with 4 Dozen orders (see picture.

A BONUS SHOP CLOCK FREE (Name on Front) with orders of 1 Gross 1/- "Kure-Yu" (90 - net) 7 days after receipt of cheque.

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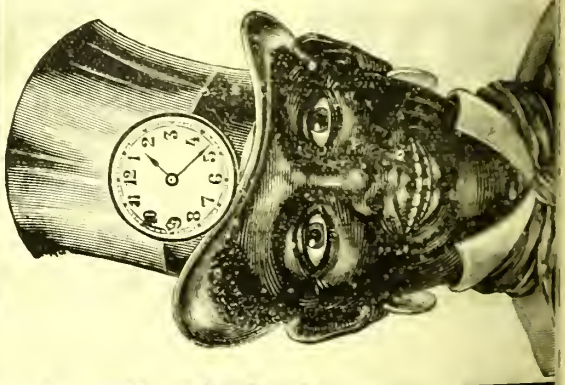

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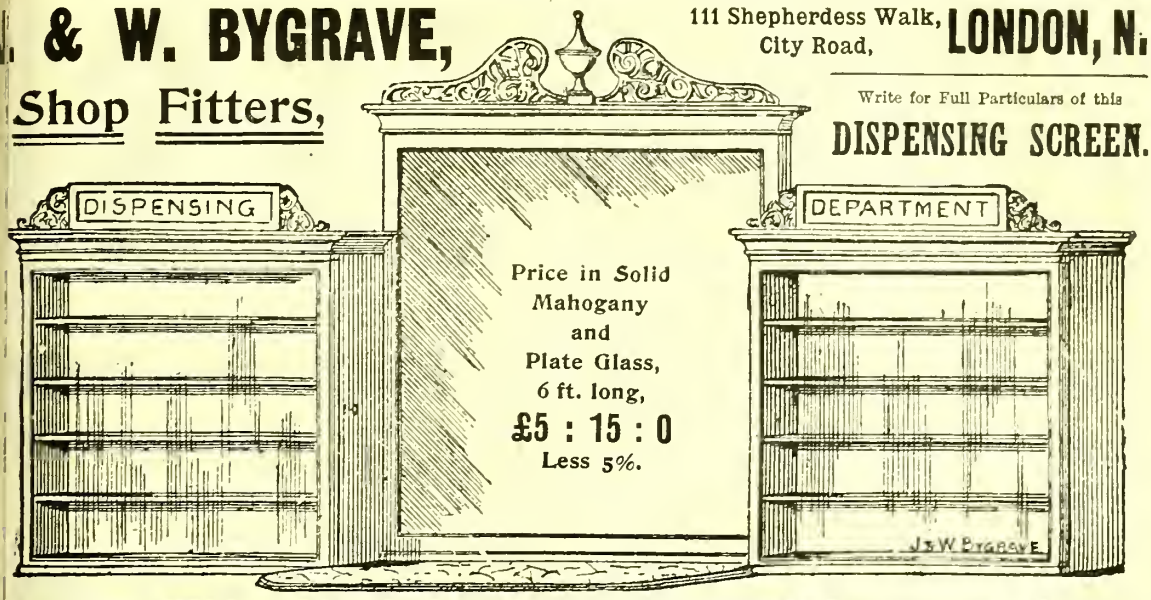

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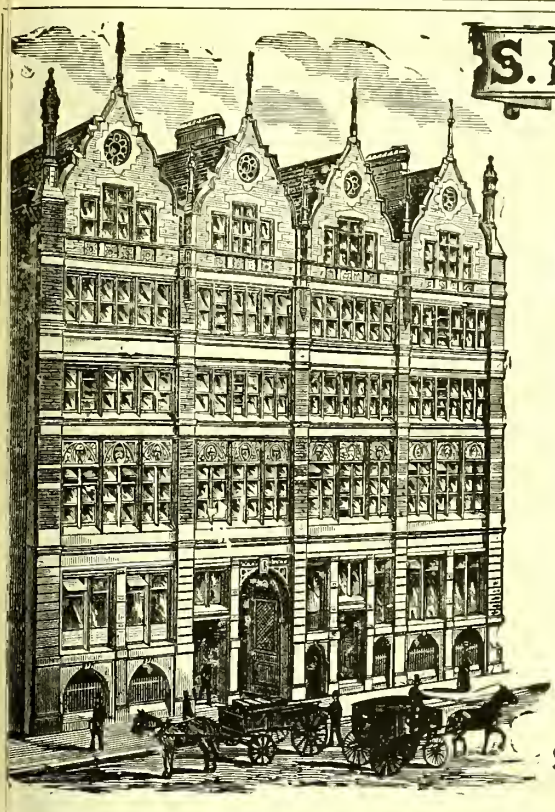

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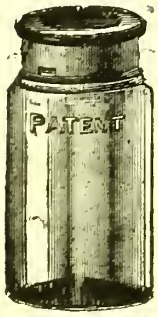

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8.	Thin, for leg and knee	14	3	7/6
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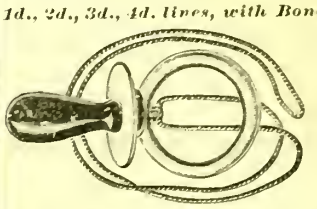

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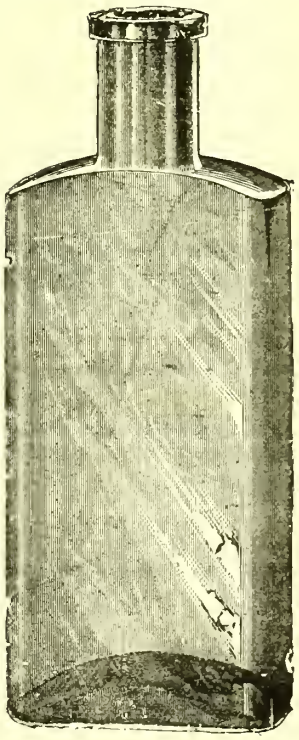

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BELLADONNA, on Red Canton Flannel		„	2/6
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CAPSICUM „ „		„	2/-
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STRENGTHENING, on Red Canton Flannel		„	2/-
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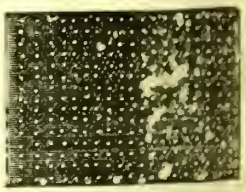

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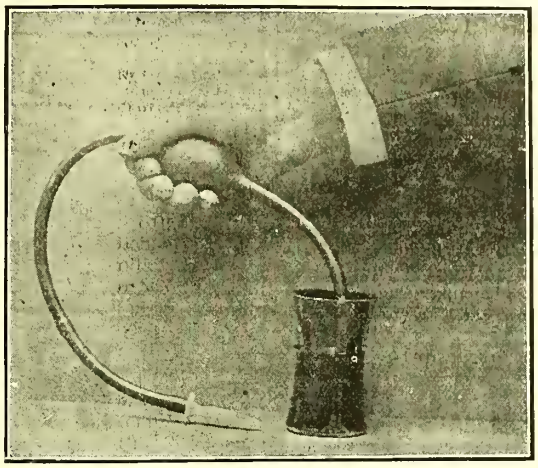

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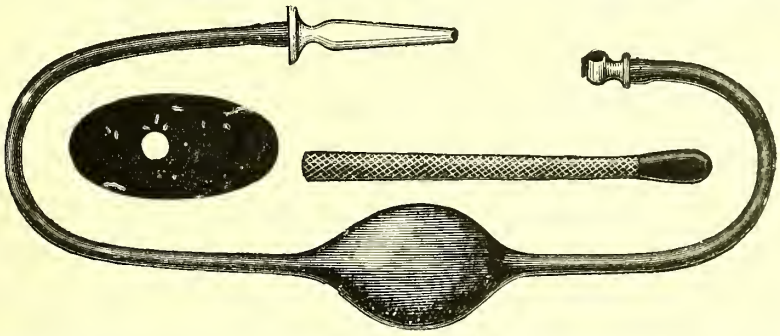

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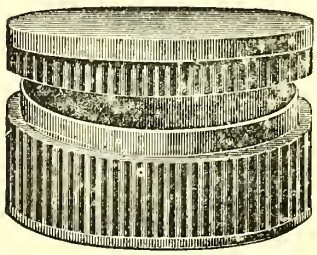

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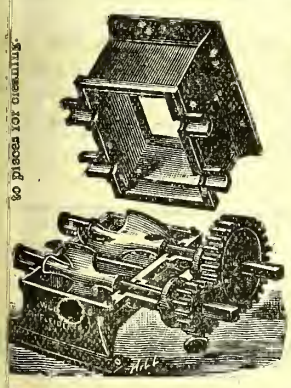

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... ... per doz. 3/4
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6*d.* size ... ... per doz. 3/4
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Fig. 2.

ROUND, in Fancy Slide Cases, as Fig. 1 ... ... 2/2 per dozen.
OVAL, in Tinfoil, as Fig. 2 ... ... No. 1, 1/3; No. 2, 2/3; No. 3, 3/3 „
OVAL, in Tinfoil with Caps ... ... No. 2, 2/9; No. 3, 3/9 „
OVAL, in elegant Flat Slide Card Cases, as Fig. 3 ... ... 3/3 „

The above are got up most attractively, with very artistic Labels and Cases in Colours.

Fig. 3

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1*d.* boxes, per gross 4/3
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White Rose	Quinine	Pearl
Areca Nut	Charcoal	Astringent
Saponaceous	Eucalyptus	Lavender
Violet	Carbolic	Coral

Assorted in Glass-top Show-cases, per doz. 3/6.

VIOLET POWDER.

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1*d.* boxes ... ... 4/6 per gross
2*d.* „ ... ... 7/6 „
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1/- „ ... ... 6/- „

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25 Large Bottles	-	20/-
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